MANUAL DE ANALISIS DE PISTA
PERFORMANCE HANDBOOK

Link Conexión Aérea, S.A. de C.V./TAR México

Base de Operación

Aeropuerto Internacional de Querétaro

MOTORES AE3007A1

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ESTADOS UNIDOS MEXICANOS
S.C.T. D.G.A.C.
DIRECCIÓN DE AVIACIÓN
DEPTO. DE INGENIERÍA DE OPERACIONES

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CONTROL AND BULLETIN LIST

Revision Control

REVISION	REVISION DATE	ADDING DATE	NAME
REV. 1	APR/22/14	JUN/10/14	E.A.
REV. 2	SEP/27/14	SEP/27/14	ABH
REV. 3	FEB/19/15	FEB/19/15	ABH
REV. 4	SEP/04/15	SEP/04/15	ABH
REV. 5	OCT/13/15	OCT/13/15	ABH
REV. 6	APR/21/16	APR/21/16	ABH
REV. 7	MAY/25/16	MAY/25/16	ABH
REV. 8	SEP/30/16	SEP/30/16	ABH
REV. 9	OCT/28/16	OCT/28/16	ABH
REV. 10	ENE/03/17	ENE/03/17	ABH
REV. 11	MAR/01/17	MAR/01/17	ABH
REV. 12	JUN/26/17	JUN/26/17	ABH
REV. 13	NOV/01/17	NOV/01/17	ABH
REV.14	ABR/16/18	ABR/16/18	ABH
REV.15	MAY/21/18	MAY/21/18	ABH
REV. 16	MAY/02/19	MAY/02/19	ABH
REV. 17	MAR/09/20	MAR/09/20	ABH
REV. 18	JUL/09/20	JUL/09/20	ABH

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REV. 11	MAR/01/17	MAR/01/17	ABH
REV. 12	JUN/26/17	JUN/26/17	ABH
REV. 13	NOV/01/17	NOV/01/17	ABH
REV.14	ABR/16/18	ABR/16/18	ABH
REV.15	MAY/21/18	MAY/21/18	ABH
REV. 16	MAY/02/19	MAY/02/19	ABH
REV. 17	MAR/09/20	MAR/09/20	ABH
REV. 18	JUL/09/20	JUL/09/20	ABH

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Bulletin List

BULLETIN	DATE	ADDING DATE	NAME

Descripción de Cambios Realizados

Revisión: 18
Fecha: Julio 2020

El Manual de Análisis de Pista ha sido editado para mantener actualizada la información contenida en el mismo. Un breve resumen de los cambios que sufrieron las hojas alteradas en ésta revisión, es indicado en la relación que se muestra a continuación:

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3	*Lista de Enmiendas*
6	*Descripción de Cambio*
8-9	*Lista de Paginas Efectivas*
114-125	*Actualización GDL*
130-133	*Actualización LAP*
168-169	*Actualización MEX 05R*
196-197	*Actualización PQM*
216-217	*Actualización QRO*
258-261	*Actualización TIJ*

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1	FEB 15	03	51	MAY19	16	101	MAY19	16
2	FEB 15	03	52	MAY19	16	102	MAY19	16
3	JUL20	18	53	MAY19	16	103	MAY19	16
4	FEB 15	03	54	MAY19	16	104	MAY19	16
5	FEB 15	03	55	MAY19	16	105	MAY19	16
6	JUL20	18	56	MAY19	16	106	MAY19	16
7	FEB 15	03	57	MAY19	16	107	MAY19	16
8	JUL20	18	58	MAY19	16	108	MAY19	16
9	JUL20	18	59	MAY19	16	109	MAY19	16
10	FEB 15	03	60	MAY19	16	110	MAY19	16
11	FEB 15	03	61	MAY19	16	111	MAY19	16
12	FEB 15	03	62	MAY19	16	112	MAY19	16
13	MAY18	15	63	MAY19	16	113	MAY19	16
14	FEB 15	03	64	MAY19	16	114	JUL20	18
15	FEB 15	03	65	MAY19	16	115	JUL20	18
16	FEB 15	03	66	MAY19	16	116	JUL20	18
17	FEB 15	03	67	MAY19	16	117	JUL20	18
18	FEB 15	03	68	MAY19	16	118	JUL20	18
19	FEB 15	03	69	MAY19	16	119	JUL20	18
20	FEB 15	03	70	MAY19	16	120	JUL20	18
21	FEB 15	03	71	MAY19	16	121	JUL20	18
22	MAY18	15	72	MAY19	16	122	JUL20	18
23	FEB 15	03	73	MAY19	16	123	JUL20	18
24	MAY18	15	74	MAY19	16	124	JUL20	18
25	FEB 15	03	75	MAY19	16	125	JUL20	18
26	FEB 15	03	76	MAY19	16	126	MAY19	16
27	FEB 15	03	77	MAY19	16	127	MAY19	16
28	FEB 15	03	78	MAY19	16	128	MAY19	16
29	FEB 15	03	79	MAY19	16	129	MAY19	16
30	FEB 15	03	80	MAY19	16	130	JUL20	18
31	FEB 15	03	81	MAY19	16	131	JUL20	18
32	FEB 15	03	82	MAY19	16	132	JUL20	18
33	MAY19	16	83	MAY19	16	133	JUL20	18
34	MAY19	16	84	MAY19	16	134	MAY19	16
35	MAY19	16	85	MAY19	16	135	MAY19	16
36	MAY19	16	86	MAY19	16	136	MAY19	16
37	MAY19	16	87	MAY19	16	137	MAY19	16
38	MAY19	16	88	MAY19	16	138	MAY19	16
39	MAY19	16	89	MAY19	16	139	MAY19	16
40	MAY19	16	90	MAY19	16	140	MAY19	16
41	MAY19	16	91	MAY19	16	141	MAY19	16
42	MAY19	16	92	MAY19	16	142	MAY19	16
43	MAY19	16	93	MAY19	16	143	MAY19	16
44	MAY19	16	94	MAY19	16	144	MAY19	16
45	MAY19	16	95	MAY19	16	141	MAY19	16
46	MAY19	16	96	MAY19	16	142	MAY19	16
47	MAY19	16	97	MAY19	16	143	MAY19	16
48	MAY19	16	98	MAY19	16	144	MAY19	16
49	MAY19	16	99	MAY19	16	145	MAY19	16
50	MAY19	16	100	MAY19	16	146	MAY19	16

147	MAY19	16	201	MAY19	16	255	MAY19	16
148	MAY19	16	202	MAY19	16	256	MAY19	16
149	MAY19	16	203	MAY19	16	257	MAY19	16
150	MAY19	16	204	MAY19	16	258	JUL20	18
151	MAY19	16	205	MAY19	16	259	JUL20	18
152	MAY19	16	206	MAY19	16	260	JUL20	18
153	MAY19	16	207	MAY19	16	261	JUL20	18
154	MAY19	16	208	MAY19	16	262	MAY19	16
155	MAY19	16	209	MAY19	16	263	MAY19	16
156	MAY19	16	210	MAY19	16	264	MAY19	16
157	MAY19	16	211	MAY19	16	265	MAY19	16
158	MAY19	16	212	MAR20	17	266	MAR20	17
159	MAY19	16	213	MAR20	17	267	MAR20	17
160	MAY19	16	214	MAY19	16	268	MAR20	17
161	MAY19	16	215	MAY19	16	269	MAR20	17
162	MAY19	16	216	JUL20	18	270	MAY19	16
163	MAY19	16	217	JUL20	18	271	MAY19	16
164	MAY19	16	218	MAY19	16	272	MAY19	16
165	MAY19	16	219	MAY19	16	273	MAY19	16
166	MAY19	16	220	MAY19	16	274	MAY19	16
167	MAY19	16	221	MAY19	16	275	MAY19	16
168	JUL20	18	222	MAY19	16	276	MAY19	16
169	JUL20	18	223	MAY19	16	277	MAY19	16
170	MAR20	17	224	MAY19	16	278	MAY19	16
171	MAR20	17	225	MAY19	16	279	MAY19	16
172	MAR20	17	226	MAY19	16	280	MAY19	16
173	MAR20	17	227	MAY19	16	281	MAY19	16
174	MAY19	16	228	MAY19	16	282	MAY19	16
175	MAY19	16	229	MAY19	16	283	MAY19	16
176	MAY19	16	230	MAY19	16	284	MAR20	17
177	MAY19	16	231	MAY19	16	285	MAR20	17
178	MAY19	16	232	MAY19	16	286	MAR20	17
179	MAY19	16	233	MAY19	16	287	MAR20	17
180	MAY19	16	234	MAY19	16	288	MAY19	16
181	MAY19	16	235	MAY19	16	289	MAY19	16
182	MAY19	16	236	MAY19	16	290	MAY19	16
183	MAY19	16	237	MAY19	16	291	MAY19	16
184	MAY19	16	238	MAY19	16	292	MAY19	16
185	MAY19	16	239	MAY19	16	293	MAY19	16
186	MAY19	16	240	MAY19	16	294	MAY19	16
187	MAY19	16	241	MAY19	16	295	MAY19	16
188	MAY19	16	242	MAY19	16	296	MAY19	16
189	MAY19	16	243	MAY19	16	297	MAY19	16
190	MAY19	16	244	MAY19	16	298	MAY19	16
191	MAY19	16	245	MAY19	16	299	MAY19	16
192	MAY19	16	246	MAY19	16	300	MAY19	16
193	MAY19	16	247	MAY19	16	301	MAY19	16
194	MAY19	16	248	MAY19	16	302	MAY19	16
195	MAY19	16	249	MAY19	16	303	MAY19	16
196	JUL20	18	250	MAY19	16	304	MAY19	16
197	JUL20	18	251	MAY19	16	305	MAY19	16
198	MAY19	16	252	MAY19	16	306	MAY19	16
199	MAY19	16	253	MAY19	16	307	MAY19	16
200	MAY19	16	254	MAY19	16	308	MAY19	16

1.0 GENERAL

1.1 CONVERSION TABLES

TEMPERATURE CONVERSION

°C	°F		°C	°F		°C	°F
-40	-40		-8	18		24	75
-39	-38		-7	19		25	77
-38	-36		-6	21		26	79
-37	-35		-5	23		27	81
-36	-33		-4	25		28	82
-35	-31		-3	27		29	84
-34	-29		-2	28		30	86
-33	-27		-1	30		31	88
-32	-26		0	32		32	90
-31	-24		1	34		33	91
-30	-22		2	36		34	93
-29	-20		3	37		35	95
-28	-18		4	39		36	97
-27	-17		5	41		37	99
-26	-15		6	43		38	100
-25	-13		7	45		39	102
-24	-11		8	46		40	104
-23	-9		9	48		41	106
-22	-8		10	50		42	108
-21	-6		11	52		43	109
-20	-4		12	54		44	111
-19	-2		13	55		45	113
-18	0		14	57		46	115
-17	1		15	59		47	117
-16	3		16	61		48	118
-15	5		17	63		49	120
-14	7		18	64		50	122
-13	9		19	66		51	124
-12	10		20	68		52	126
-11	12		21	70		53	127
-10	14		22	72		54	129
-9	16		23	73		55	131

WIND COMPONENT

WIND (KTS)	ANGLE BETWEEN WIND DIRECTION AND HEADING (LEFT OR RIGHT)																								
	HEADWIND COMPONENT								TAILWIND COMPONENT												CROSSWIND COMPONENT						
	10	20	30	40	50	60	70	80	100	110	120	130	140	150	160	170	10	20	30	40	50	60	70	80
5	5	5	4	4	3	3	2	1	1	2	3	3	4	4	5	5	1	2	3	3	4	4	5	5
10	10	9	9	8	6	5	3	2	2	3	5	6	8	9	9	10	2	3	5	6	8	9	9	10
15	15	14	13	11	10	8	5	3	3	5	8	10	11	13	14	15	3	5	8	10	11	13	14	15
20	20	19	17	15	13	10	7	3	3	7	10	13	15	17	19	20	3	7	10	13	15	17	19	20
25	25	23	22	19	16	13	9	4	4	9	13	16	19	22	23	25	4	9	13	16	19	22	23	25
30	29	28	26	23	19	15	10	5	5	10	15	19	23	26	28	29	5	10	15	19	23	26	28	29
35	34	33	30	27	22	18	12	6	6	12	18	22	27	30	33	34	6	12	18	22	27	30	33	34
40	39	38	35	31	26	20	14	7	7	14	20	26	31	35	38	39	7	14	20	26	31	35	38	39
45	44	42	39	34	29	23	15	8	8	15	23	29	34	39	42	44	8	15	23	29	34	39	42	44
50	49	47	43	38	32	25	17	9	9	17	25	32	38	43	47	49	9	17	25	32	38	43	47	49
55	54	52	48	42	35	28	19	9	9	19	28	35	42	48	52	54	9	19	28	35	42	48	52	59
60	59	56	52	46	39	30	21	10	10	21	30	39	46	52	56	59	10	21	30	39	46	52	56	59
65	64	61	56	50	42	33	22	11	11	22	33	42	50	56	61	64	11	22	33	42	50	56	61	64
70	69	66	61	54	45	35	24	12	12	24	35	45	54	61	66	69	12	24	35	45	54	61	66	69

1.2 AIRCRAFT PERFORMANCE DATA COMPUTE SERVER SYSTEM

The AeroData Aircraft Performance Data Compute Server System (Compute Server System) is an advanced clientserver computer system designed for providing comprehensive real-time aircraft performance data to ensure compliance with takeoff, enroute, and landing regulations.

The heart of the system is the Compute Server. A Compute Server takes requests from computer network client programs for aircraft performance data. Once the requested data is calculated, it is returned to the client software for display to the user. Client software packages for the Compute Server System include the Flight Planning Client for dispatch performance data, the Takeoff and Landing Performance Report Client for flight crew performance data, the Takeoff Charts Client for generating paper runway analysis charts, and the ACARS Client for onboard performance data.

Two or more Compute Servers are installed for redundancy and speed. Since the Compute Server System fulfills all requests for aircraft performance data, all performance data output is consistent. Additionally, all performance data is simultaneously updated when aeronautical data changes occur. This eliminates paper performance manuals and the overhead associated with the maintenance of these manuals.

The most important advantage of the Compute Server System is that all performance calculations are computed realtime using the fewest possible conservatisms and generalizations. As a result, the highest possible performance values are provided to the airline.

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2.0 TAKEOFF

2.1 GENERAL

TAKEOFF PATH

NO turns shall be commenced below 1,000' above field elevation (AFE) when takeoff weather is less than 1,000' ceiling and 3 sm visibility unless a Special Departure Procedure prescribes otherwise or the assigned instrument departure procedure specifically requires a turn before reaching 1,000' AGL.

Flap Retraction Altitude (FRA) for all takeoffs is 1,000' AFE unless a Special Procedure prescribes otherwise.

STANDARD ENGINE FAILURE TAKEOFF PATH

The following path will be flown whenever an engine failure occurs during takeoff and no Special Procedure exists:

	Weather Conditions	
ENGINE FAILURE ALTITUDE	**IMC**	**VMC**
Below 1,000' AFE.	Climb straight ahead to 1,000' AFE, then commence turn to NAVAID or heading as listed on runway analysis page using maximum bank angle appropriate for aircraft speed. If NAVAID is listed, hold on the inbound radial using a direct entry and standard holding procedures. If heading is listed, fly heading until a minimum safe altitude is attained. Radar vectors may be accepted when available after reaching 1,000'.	Climb straight ahead to 1,000' AFE. Return to land visually or complete IMC procedure.
1,000' or more AFE.	Commence turn to NAVAID or heading as listed on runway analysis page using maximum bank angle appropriate for aircraft speed. If NAVAID is listed, hold on the inbound radial using a direct entry and standard holding procedures. If heading is listed, fly heading until a minimum safe altitude is attained. Radar vectors may be accepted when available.	Return to land visually or complete IMC procedure.

This path will allow the aircraft to safely attain an altitude and position where radar vectors can be provided, or a minimum enroute or approach altitude. This path is an extension of the Captain's emergency authority and must be stated as such to ATC as soon as practical.

SPECIAL ENGINE FAILURE TAKEOFF PATH & PROCEDURES

Special Procedures for takeoff are provided when Standard Engine Failure Takeoff Procedures cannot be used due to obstacle requirements. Special Procedures are designed to only provide procedures and information that differ from Standard Procedures. For takeoff there are two types of Special Procedures:

Simple-Special: The Simple-Special Procedure differs from Standard Procedures in that a turn to a NAVAID or heading is required before reaching 1,000'. FRA remains at 1,000' AFE unless otherwise specified in the FLAP RETRACT box. Simple-Special Procedures are mandatory in IMC. They are also mandatory in VMC until reaching 1,000' AFE. The turn to the NAVAID or heading is to be made at the highest bank angle appropriate for aircraft speed. In IMC, if radar vectors are not available, comply with the special procedure until 3,000' AFE at which time you may proceed on course (as applicable). Simple-Special Procedures, when required, are provided on the top of each page of takeoff runway analysis. Below is a sample Simple-Special Procedure and legend:

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		14.0 VOR	4600’	LT VOR	5100’	STD
1	2	3	4	5	6	7
8						

1. Engine failure climb speed - only listed if different than the standard engine failure profile.
2. Engine failure initial heading or course - only listed if different than runway alignment. A turn to the specified heading or course shall be commenced at 50' AFE or at engine failure above 50' AFE.
3. Engine failure turn point - listed in feet MSL for an altitude turn point and DME or radial for geographic turn points.
4. Alternate turn point - Alternate turning fix (if available) for redundancy and/or convenience.
5. Turn direction and NAVAID or heading - LT = left turn; RT = right turn; DT = direct (turn to NAVAID or heading in direction of shortest distance); H = heading.
6. Flap retraction altitude - FRA (feet MSL).
7. Holding procedures at NAVAID - STD = right turns & 1 minute legs. Unless otherwise noted, hold on the inbound radial using a direct entry. This may not necessarily be a published holding pattern.
8. Remarks.

Complex-Special: The Complex-Special Procedure is issued when an engine failure procedure is too complex to fit in the Simple-Special table and/or other considerations must be taken into account. Often, allengine procedures are also specified in order to ensure that the aircraft will remain in the obstacle protected area until reaching a safe engine failure altitude. FRA remains at 1,000' AFE unless otherwise specified in the procedure.

Complex-Special Procedures may be specifically designed for a published instrument departure procedure. In these cases, the name of the applicable instrument departure procedure will be indicated on the ComplexSpecial and the Complex-Special is only valid for the instrument departure procedure specified. ComplexSpecial Procedures are mandatory under IMC and VMC.

RUNWAY CONDITIONS

Wet Runway - A runway that has a shiny appearance due to a thin layer of water less than 1/8" or 3mm covering 100% of the runway surface. If there are dry spots showing on a drying runway with no standing water, the runway is not considered to be wet.

Contaminated Runway - A runway where more than 25% of the runway length, within the width being used, is covered by standing water or slush more than 1/8" or 3mm deep, or that has an accumulation of snow or ice. A runway may also be considered contaminated with less than 25% coverage if the contaminant is located prior to the midpoint of the runway.

Compacted Snow Runway - A runway is considered to be contaminated by compacted snow when covered by snow which has been compacted into a solid mass which resists further compression and will hold together or break into lumps if picked up.

Slippery Runway - A runway surface condition where braking action is expected to be very low, due to the presence of ice.

RUNWAY CONTAMINANTS

Standing Water – Accumulated water on the runway surface caused by heavy rainfall or by poor drainage.

Slush - Snow mixed with water.

Dry Snow - Snow that cannot be easily compacted by hand.

Wet Snow - Snow that is easily compacted by hand.

CONTAMINATION LEVELS

	Contaminant			
	Water	**Slush**	**Wet Snow**	**Dry Snow**
Level 1	Heavy rain with up to 1/8" or 3mm flooding.	≤1/8" or ≤3mm	≤1/4" or ≤6mm	≤1" or ≤25mm
Level 2	>1/8" to ≤1/4" or 3mm to 6mm	>1/8" to ≤1/4" or 3mm to 6mm	>1/4" to ≤1/2" or 7mm to 13mm	>1" to ≤2" or 26mm to 51mm
Level 3	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED

GROUND VEHICLE RUNWAY FRICTION READINGS

At certain airports, ground vehicle friction readings are provided by ATIS and/or the control tower when slippery runway conditions are thought to exist. These readings are derived from devices that attempt to measure the runway coefficient of friction (□□□or mu). Unfortunately, the measurements made by these devices do not directly correlate to the □ that would be experienced by an aircraft, although they do provide indications of airplane/runway braking action that may be used for planning purposes.

Reported measurements are also a function of the device itself. The readings from these devices are given by ATIS and/or the control tower and typically are given with the type of measuring device used. Please note that the readings may be given as whole numbers (i.e., .47 would be given as 47). In addition, Runway Condition Readings (RCR) are normally associated with military and Canadian airports. The following table can be used to correlate ground vehicle friction readings to an airplane/runway braking action level.

Ground-vehicle Friction Correlation for Compacted Snow- and Ice-Covered Runways

	Ground-vehicle friction readings (□)						
Braking Action Level	Surface friction tester (SAAB)	Runway Friction Tester	BV-11 skid-dometer	Mu-Meter	Tapley meter	Bow-monk meter	Runway condition readings (RCR)
Excellent	≥ .53	≥ .50	≥ .58	≥ .50	≥.53	≥ .51	≥ 17
Good	.37 - .50	.35 - .47	.41 - .54	.35 - .47	.38 - .50	.37 - .48	12 -16
Fair	.28 - .34	.26 - .33	.31 - .37	.26 - .33	.28 - .35	.27 - .34	9 - 11
Poor	≤ .25	≤ .24	≤ .27	≤ .24	≤ .26	≤ .25	≤ 8

TAKEOFF ON WET, SLIPPERY, OR CONTAMINATED RUNWAYS

The takeoff data provided for non-dry runways serves to maintain a margin of safety equivalent to a dry runway by taking into consideration performance characteristics associated with non-dry runway conditions. Therefore, the more accurate the assessment of runway conditions, the greater the margin of safety maintained. Runway condition information can normally be obtained from ATC, Flight Service and/or station personnel. When accurate information is not available, an assessment of the runway condition must be made by the crew. However, due to a lack of the proper means, making an accurate assessment of the runway condition is often impossible. Even if a runway condition assessment is inaccurate, using takeoff data for that runway condition still offers an increased margin of safety over using dry runway data.

Takeoff Runway Analysis provides maximum takeoff weights and maximum V_1s for wet, slippery, and contaminated runways. This data preserves accelerate-go and accelerate-stop distances for the appropriate runway conditions. Wet maximum takeoff weights are based on the braking capability of the actual runway being analyzed. This is reflected in that a runway with no friction treatment (i.e. grooving) will show significant weight penalty when comparing wet versus

dry, while a runway with good friction characteristics will show little or no penalty. Comparing the difference between dry and non-dry takeoff weights for each available runway will indicate the best runway for takeoff.

RUNWAY NAMING CONVENTIONS

INTERSECTION RUNWAYS

Intersection runways are designated by "/" between the runway and the intersecting taxiway or runway.

26L/A Designates runway 26L at the intersection of taxiway "A".

INTERSECTION DEPARTURE

Intersection performance data may be used for an intersection departure of longer length or a full length departure. Engine failure procedures remain the same.

SHORTENED RUNWAYS

Shortened runways are designated using the following code: "26L-E2000F"

26L Indicates the base runway
– Indicates that the runway has been shortened
E Indicates the end of the runway which has been shortened (possible values are N, NE, E, SE, S SW, W, NW)
2000 Indicates the shortened distance
F Indicates the units for the shortened distance where "F" = feet and "M" = meters. The shortened distance unit shown will correspond to that given by the applicable shortened runway NOTAM.

ARRESTING GEAR CABLE RUNWAYS

Runways equipped with an arresting gear cable(s) are designated by using "CBL". Distance beyond a cable from the liftoff end will be considered as clearway. The following naming conventions represent cable runway designations.

22L-NECBL Runway 22L with cable on Northeast (brake release) end of runway deployed. Takeoff run is initiated at cable. Effective runway length is the distance from the cable to the liftoff end of the runway.

22L-SWCBL Runway 22L with cable on Southwest (lift-off) end of runway deployed. Takeoff run is initiated at the brake release end of runway. Effective runway length is the distance from the brake release end of the runway to the cable.

22L-CBL-CBL Runway 22L with cable on Northeast (brake release) and Southwest (lift-off) ends of the runway deployed. Takeoff run is initiated at cable. Effective runway length is the distance between cables.

22L/B10-CBL Runway 22L intersection B10 with cable on Southwest (lift-off) end of runway deployed. Takeoff run is initiated at intersection B10. Effective runway length is the distance from B10 to the cable.

22L-1000F-CBL Runway 22L with 1000F ("M" if meters) NOTAM on Northeast (brake release) end of runway and cable on lift-off end of the runway deployed. Takeoff run is initiated at break release end minus 1000F. Effective runway length is the distance from 22L minus 1000F to the cable.

22L-CBL-1000F Runway 22L with cable on Northeast (brake release) end of runway deployed and 1000F ("M" if meters) NOTAM on lift-off end of the runway. Takeoff run is initiated at cable. Effective runway length is the distance from the cable to the lift-off end of the runway minus 1000F due to NOTAM.

2.2 TAKEOFF PERFORMANCE

TAKEOFF RUNWAY ANALYSIS REPORT

The Takeoff Runway Analysis Report (Takeoff Report) is prepared for each flight based on the environmental conditions, runway conditions, and aircraft configuration anticipated by the dispatcher at the time of departure. The Takeoff Report provides takeoff data for the planned conditions as well as a range of data surrounding planned conditions. The Takeoff Report includes takeoff data for all of the runways designated for inclusion by the airline. Runways are listed in numerical order. Shortened runways are listed following the associated full length runway, if applicable.

MEL and CDL penalties that are planned by the dispatcher are transferred to the Takeoff Report and are included in takeoff weight calculations. Included penalties are always indicated in the Takeoff Report.

TAKEOFF REPORT LAYOUT

```
TAKEOFF AND LANDING REPORT LCT 123 SCF-PHX 20OCT13
TLR-1 SEQ-50287573 21OCT13 0658Z
A/C 321  EMB-145LR AE-3007A1P

/// TAKEOFF DATA ///

APT  PRWY        POAT PWIND  PQNH  PMRTW FLP O2 V1 VR V2 PTOW MFPTW
SCF  17          34.0 000M00 29.90 5070  9   Y  41 41 51 4800 4950
```

The header contains the parameters that were used by the dispatcher for planning the flight. At the top is the flight number and local departure date. The TLR-# identifier is provided for matching flight release and Takeoff Report versions. SEQ-# is a unique identifier given to each Takeoff Report. Following the SEQ-# number is the UTC date and time that the Takeoff Report was created. Next is the aircraft tail number and the associated engine/airframe combination designation.

All weight data is displayed as weight / 10.

APT – Airport IATA identifier.
PRWY – Planned runway. The runway that was used by the dispatcher for planning the flight.
POAT – Planned outside temperature.
PQNH – Planned QNH (Altimeter setting). The entire Takeoff Report is based on this QNH. The Takeoff Report is valid when the actual QNH is no less than 0.10" below PQNH. For example, if the dispatcher planned for a QNH of 29.82, then the report is valid if the actual QNH is no lower than 29.72. If the actual QNH falls below 29.72, then a new Takeoff Report must be generated or a radio revision may be accepted. A new Takeoff Report is never required when the actual QNH exceeds the planned QNH, but additional uplift capability may be gained by using an actual QNH that is higher than PQNH.
PWIND – Planned wind direction / speed.
PMRTW – Planned maximum runway takeoff weight. **FLP** – Takeoff flap setting associated with PMRTW.
O2 – Optimum V_2 indicator for PMRTW. "Y" = Yes, PMRTW is based on the use of Optimum V_2; "N" = No, PMRTW is based on the use of Minimum V_2.
V1, VR, V_2 – The takeoff speeds associated with the planned conditions based on the lower of the PMRTW or the MFPTW. Add 100 to each number shown that is less than 80.
PTOW – Planned takeoff weight.
MFPTW – Maximum flight plan takeoff weight. This is the maximum takeoff weight for which the flight plan is valid when considering all flight planning limits except MRTW. These limits include the structural MTOW, METW, MLDW + planned

fuel burn off, fuel capacity limited takeoff weight, structural MTXW - taxi fuel, and, if required, takeoff alternate METW. MRTW for actual conditions can exceed PMRTW, but the final MTOW can never exceed MFPTW.

```
RMKS ANTI-ICE ON
```

RMKS – Non-standard airplane configuration and runway condition listing. Listed configuration changes are applied to the entire report unless specified otherwise in a section title. For example, if the RMKS indicates that anti-skid is inoperative, the entire Takeoff Report is calculated with the anti-skid inoperative. If the RMKS indicates a wet runway and a section title includes the words “DRY RUNWAY”, the section is still based on a dry runway. Generally, but not without exception, inoperative components will apply to the entire report, while pilot selectable options are overridden by the section title.

```
---- --- ------ ----- ------- --- --- --- --- --- ---------------
RWY  OAT WIND   QNH   MRTW    FLP V1  VR  V2  PWR CNFG/CONDITION
```

This area is for last minute revisions to takeoff data. It can be used in cases where the takeoff report does not contain data for the current conditions or when fine-tuning of the MRTW is required to obtain maximum payload capability. The dispatcher can quickly make a single point calculation for exact conditions that can be relayed to the flight crew.

Typical scenarios for its use are last minute MEL/CDL items that were not included in the original report, actual OAT exceeding the scale on the report, OAT in decimal degrees, headwind/tailwind adjustments calculated to provide exact numbers, and any other additional refinement.

```
------------------- ALT T/O-1 - DRY RWY - A/I OFF -------------------
           03             17             21             35
           8249 FT        10000 FT       8249 FT        10000 FT
           SPECIAL        LT H130        SPECIAL        SPECIAL
  OAT N1   FLAP 9         FLAP 9         FLAP 9         FLAP 9
   40 88.4 4154 O 22      4768 O 33      4615 O 31      4771 O 33
   38 88.1 4193 O 23      4840 O 34      4658 O 31      4843 O 34
   36 87.9 4216 O 23      4870 O 35      4684 O 32      4873 O 35
 / 34 87.7 4224 O 23    / 4883 O 35    / 4694 O 32    / 4887 O 35
   32 87.5 4232 O 23      4883 O 35      4702 O 32      4888 O 35
HW/10KT      52    1        34    1        64    1        33    1 TW/10KT
-142   -3     -102   -2      -215   -6      -103   -2
```

A takeoff data section is identified by the title line, which describes the base conditions and airplane configuration for which the data was calculated. The conditions and configuration listed override any listed in the RMKS section. The next few lines of data indicate the runway, runway length, abbreviated engine failure procedure, and flap setting. See the description of PRWY above for runway naming conventions. See the Takeoff Path section earlier in the Performance Handbook for a description of engine failure procedures. The line of takeoff data consists of temperature, power setting, MRTW (maximum runway takeoff weight), limit code, and Max V_1. Add 100 to Max V_1 if the number shown is less than 80. For example, 30 equals a Max V_1 of 130 knots. Dashes in place of an MRTW or MRTW adjustment indicate that takeoff is not allowed for the specific condition.

The “/” symbol is used to indicate a reference temperature. In a Normal section, the “/” is shown at POAT.

Abbreviated engine failure procedure - (LT, RT, OR DT NAVAID or Heading) or (SPECIAL). **RT** – Right Turn
LT – Left Turn
DT – Direct (turn to NAVAID or heading in direction of shortest distance)
H – Heading (i.e. RT H180°)
SPECIAL – Special engine failure procedures are listed at the bottom of the report.

Limit codes are as follows:
A – Maximum AFM Chart Weight
B – Brakes
C – Climb
D – Dry Runway Weight Check (Wet MRTW cannot exceed dry MRTW)
F – Field
O – Obstacle **T** – Tires
V – V_{mcg}

Following the base takeoff data is adjustments data. Adjustments are used to modify base takeoff data for non-standard configurations or conditions. Adjustment data may contain adjustment values for power setting, MRTW, and Max V_1, as required.

Adjustment abbreviations:
HW – Headwind
TW – Tailwind
AI ON – Anti-ice ON

```
--------- T/O - SLUSH/SNOW - A/I ON 10C AND BELOW - OAT -4C ---------
  N1  86.3  03             17             21             35
LEVEL 1     F22 4288O09    F09 4885F21    F09 4348F03    F09 4887F19
LEVEL 2     F22 4050F11    F09 4538F24    F22 4088F06    F09 4515F23
------- T/O - COMPACTED SNOW - A/I ON 10C AND BELOW - OAT -4C -------
F09 4562D30    F09 5070A37    F09 4981F24    F09 5070A37
```

The Single section display is typically used for presenting contaminated runway data. The data presented is for a single OAT and no wind component. The OAT is displayed in the title of the section and the data is valid for all temperatures equal to or colder than this value. Data in this section is only valid for calm or headwind conditions. As such, data for tailwind conditions must be obtained from Dispatch. The power setting for the section is displayed in the upper left corner. For contaminated runways, the ice protection system corrections may be automatically applied depending on the OAT, as noted in the section title. Since the data is calculated only for one temperature, the flap setting is displayed before the corresponding MRTW. The flap setting is preceded with the “F” symbol. For a description of the levels of contamination, see the front of the takeoff section.

```
------------- SPECIAL ENG FAIL TAKEOFF PROCEDURES --------------
RWY CLB VIA       REACHING   OR         TURN      FRA   HOLD
03                RWY END               LT H145   2510
21                D9.3 PXR   1650       LT H130   2510
35                                                 2510
SEE SCOTTSDALE SCF COMPLEX SPECIAL PROCEDURES
```

The special engine failure procedures section is included whenever at least one runway in the takeoff report has a special engine failure procedure. A special engine failure procedure is indicated by the word SPECIAL just below the runway designation in the first section of data in the takeoff report. See the Special Engine Failure Takeoff Path & Procedures section for a full description of special engine failure procedures.

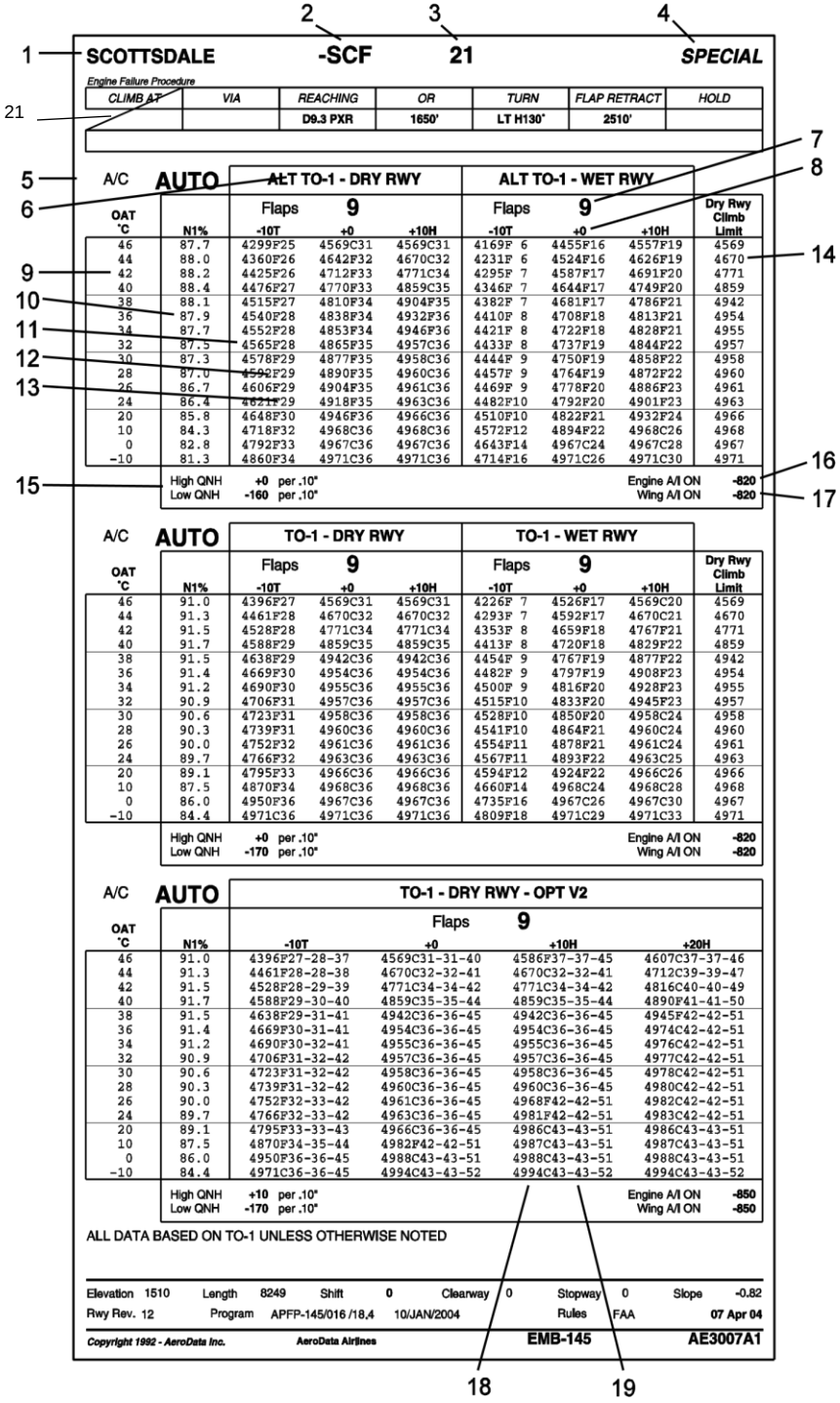
RULES FOR READING THE TAKEOFF REPORT

1. Interpolation is allowed between temperatures. Extrapolation is not allowed.
2. Interpolation is allowed between winds. Tailwind adjustments are always required. Headwind adjustments are optional.
3. If the surface temperature is colder than the lowest temperature shown in the applicable table, use the lowest temperature shown.
4. When adjustments are required, all adjustment values shown must be applied.

TAKEOFF RUNWAY ANALYSIS CHARTS

Takeoff Runway Analysis Charts (Takeoff Charts) are provided as a backup system in cases where a Takeoff Report is not available. Takeoff Charts are generated for various environmental conditions and aircraft configurations. Each chart contains takeoff data for one runway. In general, the front side of the Takeoff Chart contains takeoff data for normal conditions, while the backside contains data for non-normal conditions. The data is presented and read similarly to the Takeoff Report with the exception of adjustments. Columns of tailwind, no wind, and headwind are provided for data look-up and interpolation. Adjustments to data are provided as actual values, whereas the Takeoff Report provides adjustments in the same scale as the takeoff weights. Lastly, QNH corrections are provided for non-standard pressure conditions.

TAKEOFF CHART LAYOUT



SCOTTSDALE -SCF 21 *SPECIAL*

A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	4396F27	4569C31	4569C31
44	4461F28	4670C32	4670C32
42	4528F28	4771C34	4771C34
40	4588F29	4859C35	4859C35
38	4638F29	4942C36	4942C36
36	4669F30	4954C36	4954C36
34	4690F30	4955C36	4955C36
32	4706F31	4957C36	4957C36
30	4723F31	4958C36	4958C36
28	4739F31	4960C36	4960C36
26	4752F32	4961C36	4961C36
24	4766F32	4963C36	4963C36
20	4795F33	4966C36	4966C36
10	4870F34	4968C36	4968C36

High QNH +0 per .10" Low QNH -170 per .10"

Engine A/I ON Wing A/I ON

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
46	4385F27	4564C31	4564C31
44	4451F27	4665C32	4665C32
42	4518F28	4767C33	4767C33
40	4577F29	4856C35	4856C35
38	4629F29	4936F36	4938C36
36	4659F30	4951C36	4951C36
34	4682F30	4952C36	4952C36
32	4697F31	4953C36	4953C36
30	4713F31	4954C36	4954C36
28	4728F31	4955C36	4955C36
26	4743F31	4957C36	4957C36
24	4756F32	4959C36	4959C36
20	4785F32	4962C36	4962C36
10	4836F34	4900C35	4900C35

High QNH +0 per .10" Low QNH -170 per .10"

Engine A/I ON +0 Wing A/I ON +0

DRY - GEAR EXTENDED

OAT °C	Flaps 9 -10T	+0	+10H
46	3664C13	3664C13	3664C13
44	3740C15	3740C15	3740C15
42	3815C16	3815C16	3815C16
40	3886C17	3886C17	3886C17
38	3950C18	3950C18	3950C18
36	3997C19	3997C19	3997C19
34	4026C19	4026C19	4026C19
32	4028C19	4028C19	4028C19
30	4030C19	4030C19	4030C19
28	4033C19	4033C19	4033C19
26	4035C20	4035C20	4035C20
24	4038C20	4038C20	4038C20
20	4043C20	4043C20	4043C20
10	4053C20	4053C20	4053C20

High QNH +0 per .10" Low QNH -130 per .10"

Engine A/I ON Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	4226F 7	4526F17	4569C20
44	4293F 7	4592F17	4670C21
42	4353F 8	4659F18	4767F21
40	4413F 8	4720F18	4829F22
38	4454F 9	4767F19	4877F22
36	4482F 9	4797F19	4908F23
34	4500F 9	4816F20	4928F23
32	4515F10	4833F20	4945F23
30	4528F10	4850F20	4958C24
28	4541F10	4864F21	4960C24
26	4554F11	4878F21	4961C24
24	4567F11	4893F22	4963C25
20	4594F12	4924F22	4966C26
10	4660F14	4968C24	4968C28

High QNH +0 per .10" Low QNH -160 per .10"

Engine A/I ON Wing A/I ON

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
46	4220F 7	4519F17	4564C20
44	4285F 7	4584F17	4665C20
42	4347F 8	4652F18	4759F21
40	4407F 8	4712F18	4820F21
38	4448F 9	4759F19	4869F22
36	4476F 9	4789F19	4900F22
34	4494F 9	4810F20	4922F23
32	4509F10	4826F20	4938F23
30	4523F10	4842F20	4954C24
28	4535F10	4857F21	4955C24
26	4548F11	4871F21	4957C24
24	4560F11	4886F21	4959C25
20	4588F12	4916F22	4962C25
10	4625F14	4900C24	4900C27

High QNH +0 per .10" Low QNH -160 per .10"

Engine A/I ON +0 Wing A/I ON +0

WET - GEAR EXTENDED

OAT °C	Flaps 9 -10T	+0	+10H
46	3664C 7	3664C13	3664C13
44	3740C 7	3740C15	3740C15
42	3815C 8	3815C16	3815C16
40	3886C 8	3886C17	3886C17
38	3950C 9	3950C18	3950C18
36	3997C 9	3997C19	3997C19
34	4026C 9	4026C19	4026C19
32	4028C10	4028C19	4028C19
30	4030C10	4030C19	4030C19
28	4033C10	4033C19	4033C19
26	4035C11	4035C20	4035C20
24	4038C11	4038C20	4038C20
20	4043C12	4043C20	4043C20
10	4053C14	4053C20	4053C20

High QNH +0 per .10" Low QNH -130 per .10"

Engine A/I ON Wing A/I ON

20

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28			4253F97
26			4319F98
24			4334F98
22			4344F99
20			4356F99
18		3427F98	4368F99
16		3771F98	4382F 0
14		4080F98	4394F 0
12		4301F98	4404F 1
10		4320F98	4414F 1
0		4387F 0	4474F 3
-10		4454F 2	4552F 6
-20		4521F 4	4623F 8
-30		4589F 6	4697F10

High QNH +60 per .10" Low QNH -2620 per .10"

Engine A/I ON -990 Wing A/I ON -990

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3388F91	3905F 1	4014F 5
26	3424F91	3919F 1	4028F 5
24	3474F92	3934F 2	4041F 5
22	3497F92	3948F 2	4056F 6
20	3525F92	3965F 3	4074F 6
18	3550F92	3976F 3	4084F 6
16	3596F92	3989F 3	4097F 7
14	3632F93	4000F 4	4108F 7
12	3633F93	4008F 4	4117F 7
10	3643F93	4018F 4	4130F 8
0	3733F95	4091F 6	4205F10
-10	3814F97	4164F 8	4289F12
-20	3886F99	4227F10	4289F12
-30	3956F 1	4276D12	4289F12

High QNH +0 per .10" Low QNH -80 per .10"

Engine A/I ON -560 Wing A/I ON -560

LEVEL 3 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	2759F97	3606F 5	3694F 9
26	3047F97	3618F 6	3705F 9
24	3110F97	3631F 6	3717F 9
22	3206F97	3640F 6	3729F10
20	3263F97	3651F 7	3739F10
18	3414F97	3660F 7	3752F10
16	3423F97	3671F 7	3764F11
14	3430F97	3680F 8	3774F11
12	3439F97	3688F 8	3782F12
10	3444F98	3700F 9	3789F12
0	3495F 0	3761F10	3857F14
-10	3546F 1	3818F13	3915F16
-20	3594F 3	3882F15	3947F18
-30	3647F 6	3942F17	3947F18

High QNH +40 per .10" Low QNH -60 per .10"

Engine A/I ON -610 Wing A/I ON -610

Elevation 1510 Length 8249 Shift 0 Clearway 0 Stopway 0 Slope -0.82

Rwy Rev. 12 Program APFP-145/016 /18.4 10/JAN/2004 Rules FAA 07 Apr 04

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EMB-145 AE3007A1

1. City / airport name.
2. Airport IATA identifier.
3. Runway designation.
4. Engine failure procedure - (LT, RT, or DT NAVAID or Heading) or (SPECIAL)
   RT = Right Turn
   LT = Left Turn

DT = Direct (turn to NAVAID or heading in direction of shortest distance) H = Heading (i.e. RT H180) 5. Bleed/Pack configuration.

6. Runway condition and aircraft configuration.
7. Flap setting.
8. Wind (knots) columns
   T = Tailwind
   H = Headwind
   Tailwind adjustments are always required. Headwind adjustments are never required, but may be used when necessary.
9. Outside air temperature (OAT).
10. Takeoff N1%.
11. Maximum runway takeoff weight (MRTW) in 10 lbs.
12. Limit code for the weight shown.
    C = Climb B = Brakes
    ^ = Obstacle T = Tires
    F = Field V = V_{mcg}
    A = Maximum AFM Chart Weight
    D = Dry Runway Weight Check (Wet MRTW cannot exceed dry MRTW)
13. Maximum V_1 for the associated conditions. Add 100 if the number shown is less than 80.
14. Climb limit weight in 10 lbs. for the dry runway flap setting.
15. QNH deviation adjustments.
16. Anti-ice ON adjustment.
17. Engine and Wing anti-ice ON adjustment. Not used for EMB145.
18. Optimum V_2 MRTW in 10 lb. Only provided if weight is at least 100 lb. greater than the corresponding Minimum V_2 weight.
19. Optimum V_2 maximum takeoff speeds (V_1, V_R, V_2). Add 100 to each number.
20. Contaminated runway tables.
21. Special Procedures for Airports

TAKEOFF CHARTS MRTW DETERMINATION

TAKEOFF RUNWAY ANALYSIS WEIGHT
Based on appropriate runway condition, aircraft configuration and wind component.

QNH ADJUSTMENTS
Low QNH: required only when QNH is lower than 29.82". High QNH: never required.

ANTI-ICE ADJUSTMENT
Anti-ice: apply penalty whenever anti-ice is used takeoff.

MEL and CDL ITEM ADJUSTMENTS

MAXIMUM RUNWAY TAKEOFF WEIGHT (MRTW)

RULES FOR READING TAKEOFF CHARTS

1. Interpolation is allowed between adjacent temperatures. Extrapolation is not allowed.
2. Interpolation is allowed between winds. Tailwind adjustments are always required. Headwind adjustments are optional.

3. If the surface temperature is colder than lowest temperature shown in the applicable table, use the lowest temperature shown.

QNH Corrections

Takeoff Charts are based on standard day pressure conditions, therefore, QNH corrections are made from 29.92". QNH corrections to Takeoff Chart weights are only required when QNH is lower than 29.82", since weight corrections between 29.82" and 29.92" are negligible. For example, if QNH is 29.72", a .20" correction is required. QNH corrections above 29.92" are not required, but may be used if additional weight capability is needed. Interpolation is allowed when necessary.

2.3 TAKEOFF SPEEDS

MAX V1

Takeoff runway analysis utilizes the benefits of clearway, stopway, wind, runway slope, and reduced V_1s for brake energy, all of which may alter the actual V_1 used for takeoff. Instead of making adjustments to quick reference V_1s to account for the above conditions, takeoff runway analysis pages provide a maximum V_1 (MAX V_1). MAX V_1 is the highest V_1 allowed for takeoff for the applicable conditions. When an aircraft is near, but not at, maximum takeoff weight, MAX V_1 ensures that the V_1 used for takeoff does not exceed that required to stop the airplane in the event of an aborted takeoff. MAX V_1 will reduce V_1 from V_R to increase the field limit weight, decrease V_1 to equal V_{MBE}, and most importantly provide a reduced V_1 when a range of V_1s is available. The MAX V_1 will always provide a reduced V_1 whenever there is excess runway available and a reduction in V_1 will not decrease the maximum allowable takeoff weight. This is normally the case when the takeoff is second segment climb limited. When operating on other than dry runways or with inoperative systems that effect takeoff performance, V_1 may need to be reduced to account for degraded takeoff performance. Using this method, instead of making V_1 adjustments in the flight deck, the crew need only ensure that the V_1 for takeoff does not exceed MAX V_1.

When the V_1 determined for takeoff exceeds MAX V_1, V_1 will be set equal to MAX V_1. DO NOT reduce V_R. V_R and V_2 remain unchanged.

4.0 LANDING

4.1 LANDING PERFORMANCE

Landing data is provided in two formats. The Landing Runway Analysis Report (Landing Report) provides specific aircraft landing performance for the destination airport. Additional general landing tables are provided for situations when the Landing Report is not available or, if available, does not account for temporary conditions such as NOTAMs.

RUNWAY NAMING CONVENTIONS

SHORTENED RUNWAYS
Shortened runways are designated using the following code: "26L-E2000F"

26L Indicates the base runway
– Indicates that the runway has been shortened
E Indicates the end of the runway which has been shortened (possible values are N, NE, E, SE, S SW, W, NW)
2000 Indicates the shortened distance
F Indicates the units for the shortened distance where "F" = feet and "M" = meters. The shortened distance unit shown will correspond to that given by the applicable shortened runway NOTAM.

LAND AND HOLD SHORT OPERATIONS (LAHSO) RUNWAYS
LAHSO Runways are designated by using "/" between the landing runway designation and the hold short runway intersection or nearest aligned runway designation. The following naming conventions represent LAHSO runway designations.

09R/S Landing runway 09R hold short intersection S.
14R/09R Landing runway 14R hold short runway 09R(27L).

ARRESTING GEAR CABLE RUNWAYS
Runways equipped with an arresting gear cable(s) are designated by using "CBL". The following naming conventions represent cable runway designations.

22L-NECBL Runway 22L with cable on Northeast (approach) end of runway deployed. Effective runway length is the distance from the cable to the roll-out end of the runway.
22L-SWCBL Runway 22L with cable on Southwest (roll-out) end of runway deployed. Effective runway length is the distance from the approach end of the runway to the cable.
22L-CBL-CBL Runway 22L with cable on Northeast (approach) and Southwest (roll-out) ends of the runway deployed. Effective runway length is the distance between cables.
22L-1000F-CBL Runway 22L with 1000F ("M" if meters) NOTAM on Northeast (approach) end of runway and cable on roll-out end of the runway deployed. Effective runway length is the distance from 22L minus 1000F to the cable.
22L-CBL-1000F Runway 22L with cable on Northeast (approach) end of runway deployed and 1000F ("M" if meters) NOTAM on roll-out end of the runway. Effective runway length is the distance from the cable to the roll-out end of the runway minus 1000F due to NOTAM.

LANDING REPORT LAYOUT

The Landing Report is an extension of the Takeoff Report. As such, this section describes the differences between the Takeoff Report and the Landing Report. Refer to the Takeoff Report Layout section for supplemental documentation.

```
/// LANDING DATA ///

APT  PRWY         POAT PWIND  PQNH  PMRLW FLP PLDW
PHX  08           0.0  000M00 29.92 4800  45  4400
RMKS ANTI-ICE ON
     WET RUNWAY

-------- ---- ------ ----- ------- --- ----- --- --------------------
RWY      OAT  WIND   QNH   MRLW    FLP VREF  PWR CONFIG/CONDITION
```

PMRLW – Planned maximum runway landing weight.
PLDW – Planned landing weight.

There are two types of data sections that may appear on a Landing Report. The Normal section type provides reference maximum landing weights and power settings based on outside air temperature. The Distance section type provides landing distance information based on aircraft weight.

```
--------------- DRY RWY - A/I OFF - NO ICE ACCRETION ----------------
FLAP 22 / FLAP 45
            07L             07R             08              25L
  OAT       10300 FT        7800 FT         10591 FT        7800 FT
   04       4800A/4800A     4800A/4800A     4800A/4800A     4800A/4800A
   02       4800A/4800A     4800A/4800A     4800A/4800A     4800A/4800A
 / 00       4800A/4800A     4800A/4800A     4800A/4800A     4800A/4800A
  -02       4800A/4800A     4800A/4800A     4800A/4800A     4800A/4800A
  -04       4800A/4800A     4800A/4800A     4800A/4800A     4800A/4800A
HW/10KT          0/    0         0/    0         0/    0         0/    0
TW/10KT          0/    0       -70/    0         0/    0       -70/    0
EAI              0/    0         0/    0         0/    0         0/    0 ICING
-458/ -458     -458/ -458      -458/ -458      -458/ -458
```

A landing data section is identified by the title line, which describes the base conditions and airplane configuration for which the data was calculated. The conditions and configuration listed override any listed in the RMKS section. The next few lines of data indicate the runway, runway length, and flap setting. See the description of PRWY in the Takeoff Report Layout section for runway naming conventions.

In the Normal section, a line of landing data consists of temperature, power setting, MRLW (maximum runway landing weight), and limit code. Dashes in place of an MRLW or MRLW adjustment indicate that landing data is not available for the specified condition. The "/" symbol is used to indicate a POAT within the temperature scale.
Limit codes are as follows:
A – Maximum AFM Chart Weight
B – Brakes
C – Climb

F – Field
T – Tires

Following the base landing data is adjustments data. Adjustments are used to modify base landing data for nonstandard configurations or conditions. Adjustment data may contain adjustment values for power setting, MRLW, and Vref, as required. Wind adjustments are in terms of weight per 10 knots of wind. Adjustments are cumulative.

Adjustment abbreviations:

HW – Headwind
TW – Tailwind
EAI – Engine Anti-ice
ICING – Ice Accretion

```
---------------------- FACTORED LANDING DISTANCE ----------------------
        FLAP 22           FLAP 45
  LDW   DRY      WET      DRY      WET
  4500  6484     7457     4926     5665
  4450  6420     7383     4884     5616
/ 4400  6355     7309     4842     5568
  4350  6293     7237     4799     5519
  4300  6231     7166     4757     5471
HW/KT    -30      -35      -24      -28
TW/KT     97      112       78       90

------------------- DEMONSTRATED LANDING DISTANCE -------------------
        FLAP 22           FLAP 45
  LDW   DRY      WET      DRY      WET
  4500  3891     4474     2956     3399
  4450  3852     4430     2930     3370
/ 4400  3813     4385     2905     3341
  4350  3776     4342     2880     3312
  4300  3739     4299     2854     3283
HW/KT    -18      -21      -15      -17
TW/KT     58       67       47       54
END TAKEOFF AND LANDING REPORT LCT 123 SCF-PHX 20OCT13
```

The Distance section display is used for presenting landing distances based on aircraft weight. The data presented is for a range of landing weights (LDW) above and below the planned landing weight (PLDW). Dashes in place of a distance or distance adjustment indicate that landing data is not available for the specified condition. The "/" symbol is used to indicate a PLDW within the weight scale. Landing distance data is based on crossing the beginning of the available landing distance at 50' at Vref with the flaps in the specified landing configuration. Distance data includes both the air and ground distances from a height of 50 feet. Below the weight scale are adjustments for factors that affect landing distance. Wind adjustments are in terms of distance per knot of wind. Adjustments are cumulative.

GENERAL LANDING TABLES

MAXIMUM LANDING WEIGHT – FIELD LENGTH LIMIT - DISPATCH

The Field Length Limit tables are used to determine the maximum landing weight allowed for dispatch based on an available landing distance. To determine the maximum field length limit landing weight, first correct available landing distance for any non-normal conditions as indicated. Next, correct available landing distance for any headwind or tailwind condition as indicated. Lastly, enter the main table with the correct landing distance available and airport pressure altitude to read the maximum field length limit landing weight.

Required landing distance for a given weight may also be obtained by following the above instructions in reverse order.

LANDING DISTANCE - INFLIGHT USE ONLY

The Landing Distance tables are provided for inflight determination of landing distances. These tables are not to be used to determine dispatch field length requirements. Landing distance is the horizontal distance necessary to land and come to a complete stop from a point 50 feet above the landing surface at Vref on a level runway at ISA temperature. Data is presented for weights above structural landing in case of emergency/return to land situations. Enter the chart with pressure altitude of the field and predicted gross weight of the aircraft at the time of landing to find the actual landing distance. For any non-normal conditions, make the appropriate adjustment using the Adjustments table. The table may also be entered in reverse to determine the amount of weight allowed for a given runway.

MAXIMUM LANDING WEIGHT - CLIMB LIMITS

The Climb Limit tables are used to determine the maximum landing weight, which is the lesser of either landing climb or approach climb limit weights. For accurate computational purposes, some of these weights may exceed structural limits. These weights are based on aircraft performance and do not reflect structural limitations. However, the maximum structural landing weight remains the limiting factor. Enter the chart with pressure altitude of the field and OAT to find the maximum landing weight. Follow the notes on the bottom for adjustments.

MAXIMUM QUICK TURNAROUND WEIGHT

Maximum quick turnaround weights are presented for use when Brake Temperature Indicators are inoperative. Refer to MEL for applicability.

ATTN: THIS PAGE IS ONLY HERE TO CREATE THE TABLE OF CONTENTS
THE REAL APP PAGES ARE IN THE APENDIXX.DOC FILE

TAKEOFF DATA

LANDING DATA

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RUNWAY ANALISYS

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1016'		**RT H140**	**1016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	3669F12	3940F18	4020F20
46	87.7	3727F12	4010F19	4092F21
44	87.6	3765F13	4052F20	4134F22
42	87.4	3779F13	4067F20	4149F22
40	87.1	3793F13	4079F20	4164F22
38	86.8	3803F14	4089F21	4174F22
36	86.6	3814F14	4099F21	4184F22
34	86.3	3825F14	4109F21	4195F23
32	86.0	3836F14	4119F21	4205F23
30	85.7	3848F15	4130F21	4216F23
20	84.3	3906F16	4183F22	4272F24
10	82.8	3965F18	4237F23	4328F25
0	81.3	4028F19	4296F24	4390F26
-10	79.8	4082F20	4352F25	4449F27
-20	78.3	4134F21	4412F27	4512F28
-30	76.7	4186F22	4473F28	4574F29

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
2743F99	3820F 6	3917F 9	4725
	3882F 6	3982F10	4844
	3920F 7	4023F10	4901
	3936F 7	4038F10	4947
	3951F 8	4054F11	4959
2695F 2	3963F 8	4065F11	4961
2900F 1	3974F 8	4076F12	4962
3068F 1	3986F 8	4087F12	4964
3230F 1	3998F 9	4099F12	4966
3361F 0	4010F 9	4111F13	4968
3762F 0	4070F11	4170F14	4976
3818F 2	4129F13	4231F16	4973
3877F 4	4192F14	4299F18	4984
3937F 5	4255F16	4366F20	4988
4000F 7	4322F18	4437F22	4985
4063F 9	4391F20	4509F24	4983

High QNH **+70** per .10" — Low QNH **-140** per .10"
Engine A/I ON **-380** — Wing A/I ON **-380**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	3751F13	4019F20	4102F22
46	90.9	3814F14	4092F21	4176F23
44	90.8	3862F15	4145F22	4231F23
42	90.5	3897F16	4179F22	4265F24
40	90.2	3911F16	4193F23	4279F24
38	89.9	3922F16	4203F23	4290F24
36	89.7	3934F16	4213F23	4301F25
34	89.4	3945F17	4223F23	4311F25
32	89.1	3957F17	4234F23	4323F25
30	88.8	3969F17	4245F24	4334F25
20	87.3	4030F19	4300F25	4392F26
10	85.8	4089F20	4355F26	4449F27
0	84.2	4146F22	4417F27	4514F28
-10	82.7	4198F23	4476F28	4575F29
-20	81.1	4252F24	4537F29	4640F31
-30	79.5	4306F25	4600F30	4704F32

TO-1 - WET RWY — Flaps **22**

-10T	+0	+10H	Dry Rwy Climb Limit
3788F95	4027D 5	4062D 8	4725
3743F96	4125^ 5	4161D 9	4844
3741F96	4191^ 6	4228D 9	4901
3788F97	4240D 6	4276D10	4947
3811F97	4249D 7	4285D10	4959
3840F97	4250D 7	4286D10	4961
3870F97	4250D 7	4287D11	4962
3900F98	4250D 8	4288D11	4964
3930F98	4251D 8	4288D12	4966
3960F98	4252D 8	4289D12	4968
4104F99	4254D10	4293D14	4976
4121^ 1	4246D12	4286D15	4973
4124^ 3	4249D14	4290D15	4984
4118^ 5	4244D14	4290D15	4988
4106D 7	4237D14	4280D15	4985
4091D10	4226D14	4271D15	4983

High QNH **+80** per .10" — Low QNH **-140** per .10"
Engine A/I ON **-410** — Wing A/I ON **-410**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	3751F13-15-27	4019F20-20-31	4102F22-22-33	4189F23-23-34
46	90.9	3814F14-15-28	4092F21-21-32	4176F23-23-34	4264F24-24-35
44	90.8	3862F15-16-29	4145F22-22-33	4231F23-23-34	4319F25-25-36
42	90.5	3897F16-17-29	4179F22-22-34	4265F24-24-35	4355F26-26-36
40	90.2	3911F16-17-29	4193F23-23-34	4279F24-24-35	4369F26-26-37
38	89.9	3922F16-17-30	4203F23-23-34	4290F24-24-35	4380F26-26-37
36	89.7	3934F16-17-30	4213F23-23-34	4301F25-25-36	4391F26-26-37
34	89.4	3945F17-18-30	4223F23-23-34	4311F25-25-36	4403F26-26-37
32	89.1	3957F17-18-30	4234F23-23-35	4323F25-25-36	4414F27-27-37
30	88.8	3969F17-18-30	4245F24-24-35	4334F25-25-36	4426F27-27-37
20	87.3	4030F19-19-31	4300F25-25-36	4392F26-26-37	4487F28-28-38
10	85.8	4089F20-21-32	4355F26-26-36	4449F27-27-38	4547F29-29-39
0	84.2	4146F22-22-33	4417F27-27-37	4514F28-28-39	4613F30-30-40
-10	82.7	4198F23-23-34	4476F28-28-38	4575F29-29-40	4678F31-31-41
-20	81.1	4252F24-24-35	4537F29-29-39	4640F31-31-41	4742F32-32-42
-30	79.5	4306F25-25-36	4600F30-30-40	4704F32-32-42	4808F34-34-43

High QNH **+80** per .10" — Low QNH **-140** per .10"
Engine A/I ON **-410** — Wing A/I ON **-410**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 16 Length 5577 Shift **0** Clearway 329 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3751F13	4019F20	4102F22	3743F13	4011F20	4094F21			
46	3814F14	4092F21	4176F23	3805F14	4083F21	4167F22			
44	3862F15	4145F22	4231F23	3854F15	4136F22	4222F23			
42	3897F16	4179F22	4265F24	3889F15	4170F22	4256F24			
40	3911F16	4193F23	4279F24	3902F16	4184F22	4270F24			
38	3922F16	4203F23	4290F24	3914F16	4194F23	4281F24			
36	3934F16	4213F23	4301F25	3925F16	4204F23	4292F24			
34	3945F17	4223F23	4311F25	3937F17	4215F23	4303F25			
32	3957F17	4234F23	4323F25	3949F17	4226F23	4314F25			
30	3969F17	4245F24	4334F25	3961F17	4236F23	4325F25			
20	4030F19	4300F25	4392F26	4022F19	4292F24	4383F26			
10	4089F20	4355F26	4449F27	4055F20	4316F25	4410F27			
0	4146F22	4417F27	4514F28	4108F21	4378F26	4475F28			
-10	4198F23	4476F28	4575F29	4158F22	4435F27	4535F29			
	High QNH **+80** per .10" Low QNH **-140** per .10"			High QNH **+80** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-410** Wing A/I ON **-410**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3788F95	4027D 5	4062D 8	3780F95	4022D 5	4057D 8			
46	3743F96	4125^ 5	4161D 9	3735F96	4120^ 5	4156D 9			
44	3741F96	4191^ 6	4228D 9	3733F96	4187^ 6	4224D 9			
42	3788F97	4240D 6	4276D10	3780F97	4235D 6	4272D10			
40	3811F97	4249D 7	4285D10	3803F97	4245D 6	4281D10			
38	3840F97	4250D 7	4286D10	3832F97	4246D 7	4282D10			
36	3870F97	4250D 7	4287D11	3862F97	4246D 7	4283D11			
34	3900F98	4250D 8	4288D11	3892F98	4246D 8	4284D11			
32	3930F98	4251D 8	4288D12	3922F98	4247D 8	4284D11			
30	3960F98	4252D 8	4289D12	3952F98	4248D 8	4285D12			
20	4104F99	4254D10	4293D14	4096F99	4250D10	4288D14			
10	4121^ 1	4246D12	4286D15	4050^ 1	4172D13	4212D14			
0	4124^ 3	4249D14	4290D15	4053^ 3	4176D13	4216D14			
-10	4118^ 5	4244D14	4290D15	4047D 5	4172D13	4213D14			
	High QNH **+0** per .10" Low QNH **-150** per .10"			High QNH **+0** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-720** Wing A/I ON **-720**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28			3425F93			2967F98			
26			3459F93			3074F98			
24			3495F93			3171F97			
22			3529F93			3265F97			
20			3564F93			3370F97			
18			3601F94			3426F97			
16		2740F92	3637F94			3436F98			
14		3079F91	3677F94			3447F98			
12		3186F92	3713F94		2650F98	3453F98			
10		3234F92	3749F95		2752F98	3474F99			
0		3450F93	3928F96		3431F98	3538F 1			
-10		3514F95	3974F98		3490F99	3589F 2			
-20		3719F96	4153F99		3553F 1				
-30		3924F98	4243^ 1		3618F 3				
	High QNH **+100** per .10" Low QNH **-1180** per .10"			High QNH **+70** per .10" Low QNH **-350** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-40** Wing A/I ON **-40**			Engine A/I ON **-360** Wing A/I ON **-360**			Engine A/I ON Wing A/I ON		

Elevation	16	Length	5577	Shift	**0**	Clearway	329	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1016'		**DT H103**	**1016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4538^30	4637^31	4670^32
46	87.7	4651^31	4751^33	4784^33
44	87.6	4730^32	4833^34	4868^35
42	87.4	4780^33	4884^35	4919^35
40	87.1	4786^33	4891^35	4926^36
38	86.8	4787^33	4893^35	4928^36
36	86.6	4788^33	4894^35	4929^36
34	86.3	4789^33	4895^35	4931^36
32	86.0	4789^33	4896^35	4932^36
30	85.7	4790^33	4898^35	4933^36
20	84.3	4791^33	4902^35	4939^36
10	82.8	4780^33	4894^35	4932^36
0	81.3	4781^33	4899^35	4938^36
-10	79.8	4775^33	4896^35	4937^36
-20	78.3	4763^33	4888^35	4931^36
-30	76.7	4748^33	4878^35	4922^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4538D29	4637D31	4670D32	4725
4651D29	4751D33	4784D34	4844
4730D30	4833D34	4868D35	4901
4780D30	4884D35	4919D36	4947
4786D30	4891D35	4926D36	4959
4787D31	4893D35	4928D36	4961
4788D31	4894D35	4929D36	4962
4789D31	4895D35	4931D36	4964
4789D32	4896D35	4932D36	4966
4790D32	4898D35	4933D36	4968
4791D33	4902D35	4939D36	4976
4780D33	4894D35	4932D36	4973
4781D33	4899D35	4938D36	4984
4775D33	4896D35	4937D36	4988
4763D33	4888D35	4931D36	4985
4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-850** — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4551^30	4648^32	4681^32
46	90.9	4664^31	4763^33	4796^34
44	90.8	4746^33	4847^34	4881^35
42	90.5	4798^33	4901^35	4935^36
40	90.2	4805^34	4908^35	4942^36
38	89.9	4806^34	4910^35	4944^36
36	89.7	4806^34	4911^35	4946^36
34	89.4	4807^34	4912^35	4947^36
32	89.1	4807^34	4913^35	4948^36
30	88.8	4808^34	4914^35	4949^36
20	87.3	4809^34	4918^35	4955^36
10	85.8	4798^33	4910^35	4948^36
0	84.2	4799^33	4914^35	4953^36
-10	82.7	4792^33	4911^35	4952^36
-20	81.1	4779^33	4903^35	4945^36
-30	79.5	4764^33	4893^35	4937^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4551D30	4648D32	4681D32	4725
4664D31	4763D33	4796D34	4844
4746D32	4847D34	4881D35	4901
4798D33	4901D35	4935D36	4947
4805D33	4908D35	4942D36	4959
4806D34	4910D35	4944D36	4961
4806D34	4911D35	4946D36	4962
4807D34	4912D35	4947D36	4964
4807D34	4913D35	4948D36	4966
4808D34	4914D35	4949D36	4968
4809D34	4918D36	4955D36	4976
4798D34	4910D35	4948D36	4973
4799D33	4914D35	4953D36	4984
4792D33	4911D35	4952D36	4988
4779D33	4903D35	4945D36	4985
4764D33	4893D35	4937D36	4983

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-860** — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4686^38-38-47	4758C39-39-48	4758C39-39-48	4758C39-39-48
46	90.9	4804^40-40-49	4883C41-41-50	4883C41-41-50	4883C41-41-50
44	90.8	4891^41-41-50	4949C42-42-51	4949C42-42-51	4949C42-42-51
42	90.5	4945^42-42-51	4963C42-42-51	4963C42-42-51	4963C42-42-51
40	90.2	4950^42-42-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	89.9	4952^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4953^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	89.4	4953^42-42-51	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4954^42-42-51	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4954^42-42-51	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4956^42-42-51	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4945^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" — Low QNH **-180** per .10"

Engine A/I ON **-890** — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	16	Length	10827	Shift	**0**	Clearway	328	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4551^30	4648^32	4681^32	4545^30	4643^31	4675^32			
46	4664^31	4763^33	4796^34	4658^31	4757^33	4790^34			
44	4746^33	4847^34	4881^35	4740^33	4842^34	4876^35			
42	4798^33	4901^35	4935^36	4793^33	4896^35	4931^36			
40	4805^34	4908^35	4942^36	4800^33	4903^35	4938^36			
38	4806^34	4910^35	4944^36	4802^34	4906^35	4940^36			
36	4806^34	4911^35	4946^36	4802^34	4907^35	4942^36			
34	4807^34	4912^35	4947^36	4803^34	4908^35	4943^36			
32	4807^34	4913^35	4948^36	4803^34	4909^35	4944^36			
30	4808^34	4914^35	4949^36	4803^34	4910^35	4945^36			
20	4809^34	4918^35	4955^36	4804^33	4913^35	4950^36			
10	4798^33	4910^35	4948^36	4713^32	4825^34	4862^35			
0	4799^33	4914^35	4953^36	4712^32	4828^34	4866^35			
-10	4792^33	4911^35	4952^36	4705^32	4824^34	4864^35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -860			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -860			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4551D30	4648D32	4681D32	4545D30	4643D32	4675D32			
46	4664D31	4763D33	4796D34	4658D31	4757D33	4790D34			
44	4746D32	4847D34	4881D35	4740D32	4842D34	4876D35			
42	4798D33	4901D35	4935D36	4793D33	4896D35	4931D36			
40	4805D33	4908D35	4942D36	4800D33	4903D35	4938D36			
38	4806D34	4910D35	4944D36	4802D33	4906D35	4940D36			
36	4806D34	4911D35	4946D36	4802D34	4907D35	4942D36			
34	4807D34	4912D35	4947D36	4803D34	4908D35	4943D36			
32	4807D34	4913D35	4948D36	4803D34	4909D35	4944D36			
30	4808D34	4914D35	4949D36	4803D34	4910D35	4945D36			
20	4809D34	4918D36	4955D36	4804D34	4913D35	4950D36			
10	4798D34	4910D35	4948D36	4713D32	4825D34	4862D35			
0	4799D33	4914D35	4953D36	4712D32	4828D34	4866D35			
-10	4792D33	4911D35	4952D36	4705D32	4824D34	4864D35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -860			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -860			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4605F11	4865^21	4907^24	4308F15	4544F24	4630F27			
26	4618F11	4867^21	4910^25	4320F16	4557F25	4643F27			
24	4631F12	4869^22	4912^25	4331F16	4569F25	4656F28			
22	4642F12	4871^22	4914^26	4344F16	4582F25	4669F28			
20	4654F12	4873^23	4917^26	4353F17	4594F26	4682F29			
18	4667F13	4875^23	4919^27	4364F17	4606F26	4695F29			
16	4680F13	4876^24	4920^27	4374F17	4619F26	4708F29			
14	4693F14	4874^24	4919^28	4386F18	4633F27	4722F30			
12	4705F14	4872^25	4917^28	4397F18	4645F27	4735F30			
10	4717F15	4873^25	4918^29	4408F19	4657F28	4748F30			
0	4748^17	4884^28	4932^31	4469F20	4727F29	4821F32			
-10	4748^19	4890^30	4940^34	4527F22	4794F31	4890^34			
-20	4744^22	4893^33	4941^36	4586F24	4849^33	4920^35			
-30	4737^25	4889^35	4932^36	4644F26	4868^35	4911^35			
	High QNH +10 per .10"			High QNH +10 per .10"			High QNH per .10"		
	Low QNH -10 per .10"			Low QNH -60 per .10"			Low QNH per .10"		
	Engine A/I ON -810			Engine A/I ON -720			Engine A/I ON		
	Wing A/I ON -810			Wing A/I ON -720			Wing A/I ON		

Elevation 16 Length 10827 Shift **0** Clearway 328 Stopway 0 Slope +0.00

Rwy Rev. Program Rules FAA **23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1016'		**DT H242**	**1016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	3704F13	3890^17	3941^18
46	87.7	3763F13	3967^19	4019^20
44	87.6	3800F14	4011^19	4063^20
42	87.4	3814F14	4024^19	4078^20
40	87.1	3829F14	4038^20	4091^21
38	86.8	3839F14	4045^20	4099^21
36	86.6	3850F15	4052^20	4106^21
34	86.3	3861F15	4060^20	4113^21
32	86.0	3873F15	4068^20	4121^21
30	85.7	3884F16	4075^20	4129^21
20	84.3	3943F17	4115^21	4170^22
10	82.8	3992^19	4150^22	4205^23
0	81.3	4034^19	4192^22	4248^24
-10	79.8	4070^20	4229^23	4287^24
-20	78.3	4103^21	4265^24	4324^25
-30	76.7	4136^21	4300^24	4359^26

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	3209F98	3854F 7	3940^10	4725
46	87.7	2930F 0	3916F 7	4014F11	4844
44	87.6	2825F 1	3955F 8	4055F11	4901
42	87.4	2957F 1	3971F 8	4071F11	4947
40	87.1	3078F 1	3986F 8	4086F12	4959
38	86.8	3231F 0	3998F 9	4095^12	4961
36	86.6	3357F 0	4009F 9	4104^12	4962
34	86.3	3475F 0	4021F 9	4113^13	4964
32	86.0	3579F 0	4033F10	4121D13	4966
30	85.7	3690F 0	4044F10	4129D13	4968
20	84.3	3797F 1	4103F12	4170D15	4976
10	82.8	3851F 3	4150D13	4205D17	4973
0	81.3	3912F 4	4192D15	4248D19	4984
-10	79.8	3973F 6	4229D17	4287D21	4988
-20	78.3	4036F 8	4265D20	4324D23	4985
-30	76.7	4097F10	4300D22	4359D25	4983

High QNH **+60** per .10" — Engine A/I ON **-510**
Low QNH **-140** per .10" — Wing A/I ON **-510**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	3780^14	3934^18	3985^19
46	90.9	3851F15	4014^19	4066^20
44	90.8	3900F16	4064^20	4116^21
42	90.5	3927^17	4089^21	4141^22
40	90.2	3939^17	4101^21	4154^22
38	89.9	3948^17	4108^21	4161^22
36	89.7	3957^17	4115^21	4169^22
34	89.4	3966^18	4123^21	4176^22
32	89.1	3975^18	4130^21	4184^22
30	88.8	3984^18	4138^21	4192^23
20	87.3	4024^19	4177^22	4231^23
10	85.8	4057^20	4210^23	4266^24
0	84.2	4096^21	4251^24	4308^25
-10	82.7	4130^21	4287^24	4345^25
-20	81.1	4162^22	4322^25	4380^26
-30	79.5	4193^22	4356^26	4415^27

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	3359F99	3912F 8	3981^11	4725
46	90.9	3017F 1	3979F 8	4057^12	4844
44	90.8	2838F 2	4026F 9	4105^12	4901
42	90.5	3159F 1	4055F 9	4130^13	4947
40	90.2	3313F 1	4070F10	4144^13	4959
38	89.9	3490F 1	4081F10	4152^14	4961
36	89.7	3640F 0	4090^10	4162^14	4962
34	89.4	3776F 0	4099^11	4171^14	4964
32	89.1	3805F 0	4108^11	4181^15	4966
30	88.8	3815F 1	4117^12	4190^15	4968
20	87.3	3874F 2	4165^13	4231D17	4976
10	85.8	3932F 4	4208^15	4266D19	4973
0	84.2	3996F 6	4251D17	4308D21	4984
-10	82.7	4061F 8	4287D19	4345D23	4988
-20	81.1	4122F10	4322D22	4380D25	4985
-30	79.5	4175^12	4356D24	4415D28	4983

High QNH **+60** per .10" — Engine A/I ON **-540**
Low QNH **-140** per .10" — Wing A/I ON **-540**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	3780^14-15-27	3934^18-18-30	3985^19-19-31	4039^20-20-32
46	90.9	3851F15-16-28	4014^19-19-31	4066^20-20-32	4120^21-21-33
44	90.8	3900F16-17-29	4064^20-20-32	4116^21-21-33	4171^22-22-34
42	90.5	3927^17-17-30	4089^21-21-32	4141^22-22-33	4196^23-23-34
40	90.2	3939^17-18-30	4101^21-21-32	4154^22-22-33	4210^23-23-34
38	89.9	3948^17-18-30	4108^21-21-33	4161^22-22-33	4217^23-23-34
36	89.7	3957^17-18-30	4115^21-21-33	4169^22-22-34	4225^23-23-34
34	89.4	3966^18-18-30	4123^21-21-33	4176^22-22-34	4232^23-23-35
32	89.1	3975^18-18-31	4130^21-21-33	4184^22-22-34	4240^23-23-35
30	88.8	3984^18-18-31	4138^21-21-33	4192^23-23-34	4248^24-24-35
20	87.3	4024^19-19-31	4177^22-22-34	4231^23-23-34	4288^24-24-35
10	85.8	4057^20-20-32	4210^23-23-34	4266^24-24-35	4324^25-25-36
0	84.2	4096^21-21-32	4251^24-24-35	4308^25-25-36	4366^26-26-37
-10	82.7	4130^21-21-33	4287^24-24-35	4345^25-25-36	4405^26-26-37
-20	81.1	4162^22-22-33	4322^25-25-36	4380^26-26-37	4442^27-27-38
-30	79.5	4193^22-22-34	4356^26-26-36	4415^27-27-37	4476^28-28-38

High QNH **+60** per .10" — Engine A/I ON **-540**
Low QNH **-140** per .10" — Wing A/I ON **-540**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	16	Length	5577	Shift	**0**	Clearway	329	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**08 Jun 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	3780^14	3934^18	3985^19
46	3851F15	4014^19	4066^20
44	3900F16	4064^20	4116^21
42	3927^17	4089^21	4141^22
40	3939^17	4101^21	4154^22
38	3948^17	4108^21	4161^22
36	3957^17	4115^21	4169^22
34	3966^18	4123^21	4176^22
32	3975^18	4130^21	4184^22
30	3984^18	4138^21	4192^23
20	4024^19	4177^22	4231^23
10	4057^20	4210^23	4266^24
0	4096^21	4251^24	4308^25
-10	4130^21	4287^24	4345^25

High QNH **+60** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-540**
Wing A/I ON **-540**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	3773^14	3929^18	3980^19
46	3842F15	4007^19	4059^20
44	3891F16	4058^20	4110^21
42	3920^16	4082^21	4135^22
40	3932^17	4095^21	4148^22
38	3941^17	4103^21	4155^22
36	3950^17	4110^21	4163^22
34	3959^18	4117^21	4170^22
32	3968^18	4125^21	4178^22
30	3978^18	4132^21	4186^22
20	4018^19	4171^22	4226^23
10	4009^19	4160^22	4214^23
0	4047^20	4202^23	4257^24
-10	4078^21	4234^24	4290^25

High QNH **+60** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	3359F99	3912F 8	3981^11
46	3017F 1	3979F 8	4057^12
44	2838F 2	4026F 9	4105^12
42	3159F 1	4055F 9	4130^13
40	3313F 1	4070F10	4144^13
38	3490F 1	4081F10	4152^14
36	3640F 0	4090^10	4162^14
34	3776F 0	4099^11	4171^14
32	3805F 0	4108^11	4181^15
30	3815F 1	4117^12	4190^15
20	3874F 2	4165^13	4231D17
10	3932F 4	4208^15	4266D19
0	3996F 6	4251D17	4308D21
-10	4061F 8	4287D19	4345D23

High QNH **+60** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-540**
Wing A/I ON **-540**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	3336F99	3906F 8	3976^11
46	2994F 1	3972F 8	4051^12
44	2811F 2	4021F 9	4099^12
42	3135F 1	4048F 9	4124^13
40	3288F 1	4063F10	4138^13
38	3463F 1	4075F10	4147^14
36	3614F 0	4085^10	4156^14
34	3752F 0	4094^11	4166^14
32	3800F 0	4103^11	4175^15
30	3811F 1	4112^11	4185^15
20	3868F 2	4159^13	4226D17
10	3898F 4	4160D15	4214D19
0	3965F 6	4202D17	4257D21
-10	4023F 8	4234D19	4290D23

High QNH **+60** per .10"
Low QNH **-130** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28			3544F93
26			3576F93
24			3613F94
22			3646F94
20		3153F91	3679F94
18		3202F91	3715F94
16		3244F92	3750F95
14		3290F92	3785F95
12		3327F92	3818F95
10		3370F92	3853F95
0		3576F94	4012^97
-10		3631F96	4060^99
-20		3828F97	4109^ 1
-30		4025F98	4155^ 3

High QNH **+110** per .10"
Low QNH **-220** per .10"

Engine A/I ON **-110**
Wing A/I ON **-110**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28			3260F97
26			3358F97
24			3418F97
22			3430F98
20			3440F98
18		2653F98	3450F98
16		2759F98	3461F99
14		2854F98	3473F99
12		2985F98	3485F99
10		3088F98	3497F 0
0		3460F99	3563F 1
-10		3519F 0	3627F 3
-20		3583F 2	3695F 5
-30		3649F 4	3738F 7

High QNH **+80** per .10"
Low QNH **-470** per .10"

Engine A/I ON **-360**
Wing A/I ON **-360**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 16 Length 5577 Shift **0** Clearway 329 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **08 Jun 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		500'		**LT H250**	**1016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4401^27	4544^30	4592^31	4401D28	4544D30	4592D31	4725
46	87.7	4505^29	4651^31	4701^32	4505D29	4651D32	4701D32	4844
44	87.6	4557^29	4705^32	4756^33	4557D30	4705D32	4756D33	4901
42	87.4	4578^30	4728^32	4780^33	4578D30	4728D33	4780D34	4947
40	87.1	4593^30	4743^32	4794^33	4593D30	4743D33	4794D34	4959
38	86.8	4596^30	4746^33	4798^33	4596D30	4746D33	4798D34	4961
36	86.6	4600^30	4750^33	4802^33	4600D31	4750D33	4802D34	4962
34	86.3	4603^30	4755^33	4806^34	4603D31	4755D33	4806D34	4964
32	86.0	4608^30	4759^33	4811^34	4608D31	4759D33	4811D34	4966
30	85.7	4612^30	4763^33	4815^34	4612D31	4763D33	4815D34	4968
20	84.3	4633^31	4785^33	4837^34	4633D31	4785D34	4837D34	4976
10	82.8	4645^31	4797^33	4850^34	4645D31	4797D34	4850D35	4973
0	81.3	4667^31	4820^34	4874^35	4667D32	4820D34	4874D35	4984
-10	79.8	4682^31	4838^34	4892^35	4682D32	4838D34	4892D35	4988
-20	78.3	4693^32	4850^34	4904^35	4693D32	4850D35	4904D35	4985
-30	76.7	4703^32	4861^34	4915^35	4703D32	4861D35	4915D36	4983

High QNH **+30** per .10" — Engine A/I ON **-750**
Low QNH **-170** per .10" — Wing A/I ON **-750**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4424^28	4564^30	4613^31	4424D28	4564D31	4613D31	4725
46	90.9	4529^29	4673^32	4722^32	4529D30	4673D32	4722D33	4844
44	90.8	4586^30	4731^32	4781^33	4586D30	4731D33	4781D34	4901
42	90.5	4613^30	4759^33	4809^34	4613D31	4759D33	4809D34	4947
40	90.2	4626^30	4773^33	4823^34	4626D31	4773D33	4823D34	4959
38	89.9	4630^31	4777^33	4827^34	4630D31	4777D34	4827D34	4961
36	89.7	4633^31	4781^33	4831^34	4633D31	4781D34	4831D34	4962
34	89.4	4637^31	4784^33	4835^34	4637D31	4784D34	4835D34	4964
32	89.1	4641^31	4789^33	4839^34	4641D31	4789D34	4839D35	4966
30	88.8	4645^31	4793^33	4844^34	4645D31	4793D34	4844D35	4968
20	87.3	4664^31	4813^34	4864^35	4664D32	4813D34	4864D35	4976
10	85.8	4675^31	4824^34	4875^35	4675D32	4824D34	4875D35	4973
0	84.2	4696^32	4847^34	4898^35	4696D32	4847D35	4898D35	4984
-10	82.7	4710^32	4863^34	4915^35	4710D32	4863D35	4915D36	4988
-20	81.1	4720^32	4873^35	4926^36	4720D32	4873D35	4926D36	4985
-30	79.5	4727^32	4883^35	4937^36	4727D33	4883D35	4937D36	4983

High QNH **+30** per .10" — Engine A/I ON **-780**
Low QNH **-170** per .10" — Wing A/I ON **-780**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4443^34-34-43	4587^36-36-45	4636^37-37-46	4686^38-38-47
46	90.9	4537^35-35-45	4694^38-38-47	4745^39-39-48	4796^39-39-49
44	90.8	4603^36-36-46	4753^39-39-48	4804^39-39-49	4856^40-40-50
42	90.5	4632^36-36-46	4783^39-39-48	4834^40-40-49	4886^41-41-50
40	90.2	4645^37-37-46	4796^39-39-49	4847^40-40-49	4900^41-41-50
38	89.9	4649^37-37-46	4800^39-39-49	4852^40-40-49	4904^41-41-50
36	89.7	4654^37-37-46	4804^39-39-49	4856^40-40-50	4908^41-41-50
34	89.4	4658^37-37-46	4809^39-39-49	4860^40-40-50	4913^41-41-50
32	89.1	4662^37-37-47	4814^39-39-49	4866^40-40-50	4918^41-41-50
30	88.8	4667^37-37-47	4818^40-40-49	4871^40-40-50	4923^41-41-51
20	87.3	4689^37-37-47	4842^40-40-49	4894^41-41-50	4947^42-42-51
10	85.8	4701^38-38-47	4855^40-40-49	4908^41-41-50	4962^42-42-51
0	84.2	4725^38-38-47	4880^41-41-50	4934^42-42-51	4988^42-42-51
-10	82.7	4743^38-38-48	4900^41-41-50	4954^42-42-51	5003C43-43-52
-20	81.1	4755^38-38-48	4912^41-41-50	4967^42-42-51	5000C43-43-52
-30	79.5	4766^39-39-48	4925^41-41-51	4980^42-42-51	4996C43-43-52

High QNH **+30** per .10" — Engine A/I ON **-770**
Low QNH **-170** per .10" — Wing A/I ON **-770**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	16	Length	10827	Shift	**0**	Clearway	328	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**08 Jun 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4424^28	4564^30	4613^31
46	4529^29	4673^32	4722^32
44	4586^30	4731^32	4781^33
42	4613^30	4759^33	4809^34
40	4626^30	4773^33	4823^34
38	4630^31	4777^33	4827^34
36	4633^31	4781^33	4831^34
34	4637^31	4784^33	4835^34
32	4641^31	4789^33	4839^34
30	4645^31	4793^33	4844^34
20	4664^31	4813^34	4864^35
10	4675^31	4824^34	4875^35
0	4696^32	4847^34	4898^35
-10	4710^32	4863^34	4915^35

High QNH **+30** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-780**
Wing A/I ON **-780**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4419^28	4559^30	4606^31
46	4523^29	4667^31	4716^32
44	4579^30	4725^32	4774^33
42	4608^30	4753^33	4804^34
40	4621^30	4767^33	4818^34
38	4625^30	4772^33	4822^34
36	4629^31	4776^33	4826^34
34	4632^31	4780^33	4830^34
32	4637^31	4784^33	4834^34
30	4640^31	4788^33	4839^34
20	4660^31	4808^34	4859^34
10	4603^30	4750^33	4800^34
0	4625^31	4772^33	4824^34
-10	4634^31	4783^33	4835^34

High QNH **+30** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4424D28	4564D31	4613D31
46	4529D30	4673D32	4722D33
44	4586D30	4731D33	4781D34
42	4613D31	4759D33	4809D34
40	4626D31	4773D33	4823D34
38	4630D31	4777D34	4827D34
36	4633D31	4781D34	4831D34
34	4637D31	4784D34	4835D34
32	4641D31	4789D34	4839D35
30	4645D31	4793D34	4844D35
20	4664D32	4813D34	4864D35
10	4675D32	4824D34	4875D35
0	4696D32	4847D35	4898D35
-10	4710D32	4863D35	4915D36

High QNH **+30** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-780**
Wing A/I ON **-780**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4419D28	4559D30	4606D31
46	4523D29	4667D32	4716D33
44	4579D30	4725D33	4774D34
42	4608D31	4753D33	4804D34
40	4621D31	4767D33	4818D34
38	4625D31	4772D33	4822D34
36	4629D31	4776D34	4826D34
34	4632D31	4780D34	4830D34
32	4637D31	4784D34	4834D34
30	4640D31	4788D34	4839D35
20	4660D32	4808D34	4859D35
10	4603D31	4750D33	4800D34
0	4625D31	4772D34	4824D34
-10	4634D31	4783D34	4835D35

High QNH **+30** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4480^12	4673^22	4741^25
26	4487^12	4680^22	4748^26
24	4493^13	4688^23	4756^26
22	4500^13	4695^23	4763^27
20	4506^13	4702^24	4770^27
18	4512^14	4709^24	4778^28
16	4519^14	4716^25	4785^28
14	4524^15	4722^25	4791^28
12	4528^15	4726^26	4796^29
10	4533^16	4731^26	4801^29
0	4568^18	4771^28	4843^32
-10	4599^20	4806^31	4881^34
-20	4626^23	4839^33	4897^35
-30	4652^25	4854^34	4908^35

High QNH **+30** per .10"
Low QNH **-30** per .10"

Engine A/I ON **-680**
Wing A/I ON **-680**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4308F15	4529^24	4604^27
26	4320F16	4537^25	4614^28
24	4331F16	4546^25	4625^28
22	4344F16	4556^26	4634^28
20	4353F17	4566^26	4646^29
18	4364F17	4575^26	4656^29
16	4374F17	4586^27	4667^30
14	4385^18	4594^27	4679^30
12	4390^18	4603^28	4687^30
10	4398^19	4612^28	4700^31
0	4439^21	4669^30	4770^33
-10	4476^23	4730^32	4808^34
-20	4515^25	4766^33	4822^34
-30	4556^27	4779^33	4835^34

High QNH **+40** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-700**
Wing A/I ON **-700**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 16 Length 10827 Shift **0** Clearway 328 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **08 Jun 18**

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AGUASCALIENTES -AGU 17 *DT H176*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7112'		**DT H176**	**7112'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	89.0	4054^23	4137^24	4164^25
34	89.2	4132^24	4215^25	4243^26
32	89.5	4210^25	4294^26	4322^27
30	89.7	4290^26	4374^28	4403^28
28	89.8	4371^27	4457^29	4485^29
26	89.9	4437F28	4539^30	4568^31
24	90.0	4495F29	4620^31	4650^32
22	90.2	4541F30	4669^32	4698^32
20	90.3	4557F30	4672^32	4702^32
18	90.0	4568F30	4674^32	4704^32
16	89.7	4581F30	4675^32	4705^32
10	88.8	4585^30	4677^32	4708^32
0	87.2	4579^30	4674^32	4705^32
-10	85.6	4566^30	4663^32	4695^32
-20	84.0	4558^30	4653^32	4692^32
-30	82.3	4542^30	4645^31	4680^32

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4047^12	4137D22	4164D25	4219
4108F12	4215D22	4243D25	4298
4164F13	4294D22	4322D26	4376
4219F13	4374^23	4403D26	4457
4275F14	4455^23	4485D26	4541
4332F14	4536^24	4568D27	4626
4387F15	4616^24	4649^27	4709
4428F15	4664^24	4697^28	4755
4445F16	4668^25	4701^28	4762
4458F16	4671^25	4704D29	4763
4472F16	4672^26	4705D29	4765
4513F18	4676^27	4708D30	4768
4571^19	4674D29	4705D33	4771
4561^22	4663D32	4695D32	4762
4558^24	4653D32	4692D32	4764
4542D27	4645D32	4680D32	4757

High QNH **+100** per .10" Engine A/I ON **-4120**
Low QNH **-170** per .10" Wing A/I ON **-4120**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	92.4	4065^23	4146^24	4173^25
34	92.7	4143^24	4225^25	4253^26
32	93.0	4221^25	4304^27	4331^27
30	93.2	4301^26	4385^28	4413^28
28	93.5	4383^28	4467^29	4496^30
26	93.9	4465^29	4550^30	4579^31
24	94.0	4546^30	4633^31	4662^32
22	93.8	4595^31	4682^32	4711^33
20	93.7	4601^31	4688^32	4717^33
18	93.3	4602^31	4690^32	4717^33
16	93.0	4603^31	4691^32	4720^33
10	92.1	4603^31	4687^32	4722^33
0	90.4	4596^31	4689^32	4720^33
-10	88.8	4582^30	4678^32	4710^33
-20	87.1	4575^30	4674^32	4707^32
-30	85.3	4561^30	4660^32	4694^32

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4058^14	4146D23	4173D25	4219
4135^14	4225D24	4253D26	4298
4211^14	4304D24	4331D27	4376
4285F15	4385D25	4413D28	4457
4344F15	4467^25	4496D28	4541
4402F16	4549^25	4579D29	4626
4462F16	4630^26	4662D29	4709
4511F17	4679^26	4711D30	4755
4544F18	4687^27	4717D31	4762
4559F18	4690^28	4717D31	4762
4574F18	4691D28	4720D32	4765
4592^20	4687D30	4722D33	4768
4590^22	4689D32	4720D33	4771
4580^25	4678D32	4710D33	4762
4575D27	4674D32	4707D33	4764
4561D30	4660D32	4694D32	4757

High QNH **+100** per .10" Engine A/I ON **-4100**
Low QNH **-170** per .10" Wing A/I ON **-4100**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
36	92.4	4089F29-29-38	4266^32-32-41	4276C32-32-41	4276C32-32-41
34	92.7	4149F30-30-39	4348^33-33-42	4356C34-34-42	4356C34-34-42
32	93.0	4221^25-25-34	4423F34-34-43	4434C35-35-43	4434C35-35-43
30	93.2	4301^26-26-36	4481F35-35-44	4512C36-36-44	4512C36-36-44
28	93.5	4383^28-28-37	4544F36-36-45	4598C37-37-46	4598C37-37-46
26	93.9	4465^29-29-38	4606F37-37-46	4684C38-38-47	4684C38-38-47
24	94.0	4546^30-30-39	4672F38-38-47	4751F39-39-48	4770C40-40-48
22	93.8	4595^31-31-40	4730F39-39-48	4810F40-40-49	4817C40-40-49
20	93.7	4601^31-31-40	4774F39-39-48	4824C40-40-49	4824C40-40-49
18	93.3	4602^31-31-40	4790F40-40-49	4826C40-40-49	4826C40-40-49
16	93.0	4603^31-31-40	4803F40-40-49	4828C40-40-49	4828C40-40-49
10	92.1	4606F36-36-46	4830^40-40-49	4833C40-40-49	4833C40-40-49
0	90.4	4668F38-38-47	4828^40-40-49	4840C40-40-49	4840C40-40-49
-10	88.8	4724^39-39-48	4815^40-40-49	4830C40-40-49	4830C40-40-49
-20	87.1	4717^38-38-48	4812^40-40-49	4832C40-40-49	4832C40-40-49
-30	85.3	4699^38-38-47	4798^40-40-49	4827C40-40-49	4827C40-40-49

High QNH **+100** per .10" Engine A/I ON **-4240**
Low QNH **-170** per .10" Wing A/I ON **-4240**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6112 Length 9862 Shift **0** Clearway 0 Stopway 0 Slope -0.03
Rwy Rev. Program Rules FAA **27 Sep 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4065^23	4146^24	4173^25	4060^23	4141^24	4168^25			
34	4143^24	4225^25	4253^26	4139^24	4221^25	4248^26			
32	4221^25	4304^27	4331^27	4217^25	4300^27	4327^27			
30	4301^26	4385^28	4413^28	4297^26	4381^28	4409^28			
28	4383^28	4467^29	4496^30	4378^27	4463^29	4491^29			
26	4465^29	4550^30	4579^31	4460^29	4546^30	4575^31			
24	4546^30	4633^31	4662^32	4543^30	4630^31	4659^32			
22	4595^31	4682^32	4711^33	4593^31	4680^32	4709^33			
20	4601^31	4688^32	4717^33	4599^31	4686^32	4715^33			
18	4602^31	4690^32	4717^33	4600^31	4688^32	4717^33			
16	4603^31	4691^32	4720^33	4601^31	4689^32	4718^33			
10	4603^31	4687^32	4722^33	4187^25	4275^26	4304^27			
0	4596^31	4689^32	4720^33	4528^30	4621^31	4651^32			
-10	4582^30	4678^32	4710^33	4517^29	4612^31	4644^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4100** Wing A/I ON **-4100**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4058^14	4146D23	4173D25	4053^13	4141D23	4168D25			
34	4135^14	4225D24	4253D26	4131^14	4221D24	4248D26			
32	4211^14	4304D24	4331D27	4207^14	4300D24	4327D27			
30	4285F15	4385D25	4413D28	4277F15	4381D24	4409D28			
28	4344F15	4467^25	4496D28	4335F15	4463^25	4491D28			
26	4402F16	4549^25	4579D29	4394F16	4544^25	4575D28			
24	4462F16	4630^26	4662D29	4454F16	4627^26	4659D29			
22	4511F17	4679^26	4711D30	4503F17	4677^26	4709D30			
20	4544F18	4687^27	4717D31	4536F17	4685^27	4715D31			
18	4559F18	4690^28	4717D31	4552F18	4688^28	4717D31			
16	4574F18	4691D28	4720D32	4566F18	4689D28	4718D32			
10	4592^20	4687D30	4722D33	4187D22	4275D26	4304D27			
0	4590^22	4689D32	4720D33	4523^22	4621D31	4651D32			
-10	4580^25	4678D32	4710D33	4517^25	4612D31	4644D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4100** Wing A/I ON **-4100**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3807F95	4026F 4	4103F 7	3516F 0	3706F 8	3771F11			
26	3865F95	4086F 4	4162F 7	3576F 0	3770F 8	3835F11			
24	3924F96	4148F 5	4227F 8	3636F 0	3834F 9	3901F12			
22	3966F96	4194F 5	4273F 8	3684F 1	3887F 9	3955F12			
20	3990F97	4222F 6	4303F 9	3716F 2	3924F10	3992F13			
18	4003F97	4236F 6	4316F 9	3729F 2	3937F11	4005F14			
16	4013F97	4248F 6	4330F 9	3739F 2	3947F11	4016F14			
14	4025F98	4261F 7	4343F10	3749F 3	3958F11	4027F14			
12	4036F98	4272F 7	4356F10	3760F 3	3969F12	4038F15			
10	4047F98	4284F 8	4369F11	3770F 3	3979F12	4050F15			
0	4100F 0	4346F 9	4432F13	3816F 5	4030F14	4103F17			
-10	4158F 2	4411F12	4496F15	3869F 7	4084F16	4163F19			
-20	4217F 4	4478F14	4567F17	3922F 9	4142F18	4226F21			
-30	4279F 6	4544F16	4638F19	3970F11	4202F20	4289F23			
	High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH **+100** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2010** Wing A/I ON **-2010**			Engine A/I ON **-1910** Wing A/I ON **-1910**			Engine A/I ON Wing A/I ON		

Elevation 6112 Length 9862 Shift **0** Clearway 0 Stopway 0 Slope -0.03

Rwy Rev. Program Rules FAA **27 Sep 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7112'		**DT H356**	**7112'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
36	89.0	4054^23	4136^24	4164^25
34	89.2	4132^24	4215^25	4243^26
32	89.5	4209^25	4293^26	4321^27
30	89.7	4289^26	4374^28	4402^28
28	89.8	4370F27	4456^29	4484^29
26	89.9	4428F28	4538^30	4567^31
24	90.0	4487F29	4620^31	4649^32
22	90.2	4532F29	4668^32	4697^32
20	90.3	4548F30	4671^32	4701^32
18	90.0	4560F30	4673^32	4703^32
16	89.7	4572F30	4674^32	4704^32
10	88.8	4585^30	4676^32	4707^32
0	87.2	4579^30	4674^32	4704^32
-10	85.6	4565^30	4662^32	4694^32
-20	84.0	4557^30	4658^32	4692^32
-30	82.3	4541^30	4645^31	4679^32

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4045F12	4136D22	4164D25	4219
4102F12	4215D22	4243D25	4298
4157F13	4293D22	4321D26	4376
4212F14	4373^23	4402D26	4457
4269F14	4454^23	4484D26	4541
4326F14	4535^24	4567D27	4626
4380F15	4615^24	4648^27	4709
4422F15	4663^24	4696^28	4755
4439F16	4668^25	4701^28	4762
4452F16	4670^25	4703D29	4763
4465F17	4672^26	4704D29	4765
4506F18	4675^27	4707D30	4768
4570^19	4674D29	4704D33	4771
4560^22	4662D32	4694D32	4762
4557^24	4658D32	4692D32	4764
4541D27	4645D32	4679D32	4757

High QNH **+100** per .10" — Engine A/I ON **-4120**
Low QNH **-170** per .10" — Wing A/I ON **-4120**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
36	92.4	4064^23	4146^24	4173^25
34	92.7	4143^24	4225^25	4252^26
32	93.0	4220^25	4303^27	4331^27
30	93.2	4300^26	4384^28	4412^28
28	93.5	4382^28	4467^29	4495^30
26	93.9	4464^29	4550^30	4578^31
24	94.0	4545^30	4632^31	4661^32
22	93.8	4594^31	4682^32	4710^33
20	93.7	4600^31	4687^32	4710^33
18	93.3	4601^31	4689^32	4718^33
16	93.0	4602^31	4690^32	4720^33
10	92.1	4602^31	4692^32	4722^33
0	90.4	4596^31	4689^32	4720^33
-10	88.8	4581^30	4677^32	4709^33
-20	87.1	4574^30	4673^32	4706^32
-30	85.3	4557^30	4659^32	4693^32

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4057^14	4146D23	4173D25	4219
4135^14	4225D24	4252D26	4298
4210^14	4303D24	4331D27	4376
4279F15	4384D25	4412D28	4457
4337F15	4466^25	4495D28	4541
4396F16	4548^25	4578D29	4626
4456F16	4629^26	4661D29	4709
4505F17	4679^27	4710D30	4755
4537F18	4686^27	4710D31	4756
4553F18	4689^28	4718D31	4763
4567F18	4690D28	4720D32	4765
4591^20	4692D30	4722D33	4768
4589^22	4689D32	4720D33	4771
4580^25	4677D32	4709D33	4762
4574D27	4673D32	4706D33	4764
4557D30	4659D32	4693D32	4757

High QNH **+100** per .10" — Engine A/I ON **-4160**
Low QNH **-170** per .10" — Wing A/I ON **-4160**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
36	92.4	4082F29-29-38	4266^32-32-41	4276C32-32-41	4276C32-32-41
34	92.7	4143^24-24-33	4347^33-33-42	4356C34-34-42	4356C34-34-42
32	93.0	4220^25-25-34	4415F34-34-43	4434C35-35-43	4434C35-35-43
30	93.2	4300^26-26-36	4475F35-35-44	4512C36-36-44	4512C36-36-44
28	93.5	4382^28-28-37	4536F36-36-45	4598C37-37-46	4598C37-37-46
26	93.9	4464^29-29-38	4598F37-37-46	4676F38-38-47	4684C38-38-47
24	94.0	4545^30-30-39	4663F38-38-47	4742F39-39-48	4770C40-40-48
22	93.8	4594^31-31-40	4721F39-39-48	4801F40-40-49	4817C40-40-49
20	93.7	4600^31-31-40	4765F39-39-48	4824C40-40-49	4824C40-40-49
18	93.3	4601^31-31-40	4781F40-40-49	4826C40-40-49	4826C40-40-49
16	93.0	4602^31-31-40	4794F40-40-49	4828C40-40-49	4828C40-40-49
10	92.1	4602^31-31-40	4830^40-40-49	4833C40-40-49	4833C40-40-49
0	90.4	4659F37-37-47	4827^40-40-49	4840C40-40-49	4840C40-40-49
-10	88.8	4718F38-38-48	4815^40-40-49	4830C40-40-49	4830C40-40-49
-20	87.1	4717^38-38-48	4811^40-40-49	4832C40-40-49	4832C40-40-49
-30	85.3	4699^38-38-47	4797^40-40-49	4827C40-40-49	4827C40-40-49

High QNH **+100** per .10" — Engine A/I ON **-4240**
Low QNH **-170** per .10" — Wing A/I ON **-4240**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6112 Length 9862 Shift **0** Clearway 0 Stopway 0 Slope +0.03
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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4064^23	4146^24	4173^25	4059^23	4140^24	4168^25			
34	4143^24	4225^25	4252^26	4138^24	4220^25	4247^26			
32	4220^25	4303^27	4331^27	4216^25	4299^27	4327^27			
30	4300^26	4384^28	4412^28	4296^26	4380^28	4408^28			
28	4382^28	4467^29	4495^30	4378^27	4462^29	4491^29			
26	4464^29	4550^30	4578^31	4460^29	4545^30	4574^31			
24	4545^30	4632^31	4661^32	4542^30	4629^31	4658^32			
22	4594^31	4682^32	4710^33	4592^31	4680^32	4708^33			
20	4600^31	4687^32	4710^33	4598^31	4685^32	4714^33			
18	4601^31	4689^32	4718^33	4599^31	4687^32	4714^33			
16	4602^31	4690^32	4720^33	4600^31	4688^32	4714^33			
10	4602^31	4692^32	4722^33	4187^25	4275^26	4304^27			
0	4596^31	4689^32	4720^33	4527^30	4620^31	4651^32			
-10	4581^30	4677^32	4709^33	4517^29	4612^31	4643^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4160** Wing A/I ON **-4160**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4057^14	4146D23	4173D25	4052^13	4140D23	4168D25			
34	4135^14	4225D24	4252D26	4130^14	4220D24	4247D26			
32	4210^14	4303D24	4331D27	4207^14	4299D24	4327D27			
30	4279F15	4384D25	4412D28	4271F15	4380D24	4408D28			
28	4337F15	4466^25	4495D28	4329F15	4462^25	4491D28			
26	4396F16	4548^25	4578D29	4387F16	4544^25	4574D28			
24	4456F16	4629^26	4661D29	4448F16	4626^26	4658D29			
22	4505F17	4679^27	4710D30	4497F17	4676^26	4708D30			
20	4537F18	4686^27	4710D31	4530F18	4684^27	4714D31			
18	4553F18	4689^28	4718D31	4545F18	4687^28	4714D31			
16	4567F18	4690D28	4720D32	4560F18	4688D28	4714D32			
10	4591^20	4692D30	4722D33	4187D22	4275D26	4304D27			
0	4589^22	4689D32	4720D33	4522^22	4620D31	4651D32			
-10	4580^25	4677D32	4709D33	4516^25	4612D31	4643D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4160** Wing A/I ON **-4160**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3801F95	4021F 4	4098F 7	3513F 0	3703F 8	3767F11			
26	3861F96	4081F 4	4157F 7	3573F 0	3766F 9	3831F11			
24	3918F96	4143F 5	4222F 8	3633F 1	3830F 9	3897F12			
22	3961F96	4189F 5	4267F 8	3681F 1	3884F10	3951F12			
20	3987F97	4217F 6	4298F 9	3713F 2	3921F10	3988F13			
18	3998F97	4231F 6	4312F 9	3725F 2	3933F11	4001F14			
16	4009F98	4243F 7	4325F10	3736F 2	3943F11	4013F14			
14	4019F98	4254F 7	4337F10	3746F 3	3954F11	4023F14			
12	4031F98	4268F 7	4350F10	3756F 3	3965F12	4034F15			
10	4043F99	4279F 8	4364F11	3767F 3	3975F12	4046F15			
0	4095F 0	4341F10	4427F13	3814F 5	4026F14	4099F17			
-10	4153F 2	4405F12	4493F15	3866F 7	4080F16	4159F19			
-20	4212F 4	4473F14	4561F17	3918F 9	4138F18	4222F21			
-30	4273F 6	4538F16	4632F19	3966F11	4198F20	4285F23			
	High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH **+100** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2000** Wing A/I ON **-2000**			Engine A/I ON **-1890** Wing A/I ON **-1890**			Engine A/I ON Wing A/I ON		

Elevation 6112 Length 9862 Shift **0** Clearway 0 Stopway 0 Slope +0.03

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BAHIAS DE HUATULCO -HUX 07 *RT H090*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1464'		**RT H090**	**1464'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.5	4465^29	4562^30	4595^31	4463^22	4562D30	4595D31	4642
46	87.8	4575^30	4673^32	4706^32	4571^22	4673D32	4706D33	4757
44	87.8	4672^32	4772^33	4805^34	4666^22	4772D32	4805D34	4848
42	87.7	4751^33	4852^34	4886^35	4744^22	4852D33	4886D35	4938
40	87.6	4782^33	4884^35	4918^35	4774^23	4884D33	4918D36	4957
38	87.3	4794^33	4897^35	4932^36	4786^23	4897D33	4932D36	4960
36	87.0	4795^33	4899^35	4933^36	4787^23	4899D34	4933D36	4962
34	86.7	4794^33	4900^35	4935^36	4788^24	4900D34	4935D36	4964
32	86.4	4795^33	4901^35	4936^36	4790^24	4901D35	4936D36	4966
30	86.2	4795^33	4902^35	4937^36	4791^25	4902D35	4937D36	4968
20	84.8	4797^33	4906^35	4942^36	4795^27	4906D35	4942D36	4976
10	83.3	4786^33	4899^35	4936^36	4786D29	4899D35	4936D36	4971
0	81.8	4786^33	4902^35	4940^36	4786D32	4902D35	4940D36	4981
-10	80.3	4780^33	4899^35	4939^36	4780D33	4899D35	4939D36	4985
-20	78.7	4768^33	4891^35	4933^36	4768D33	4891D35	4933D36	4983
-30	77.2	4754^33	4881^35	4925^36	4754D33	4881D35	4925D36	4980

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-170** per .10" Wing A/I ON **-840**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4476^29	4573^31	4605^31	4476^23	4573D31	4605D31	4642
46	91.0	4587^30	4684^32	4716^33	4584^24	4684D32	4716D33	4757
44	91.1	4685^32	4784^33	4817^34	4681^24	4784D34	4817D34	4848
42	90.9	4767^33	4867^35	4901^35	4761^25	4867D35	4901D35	4938
40	90.8	4798^33	4900^35	4933^36	4792^25	4900D35	4933D36	4957
38	90.5	4811^34	4914^35	4948^36	4806^26	4914D36	4948D36	4960
36	90.2	4812^34	4915^35	4949^36	4807^26	4915D36	4949D36	4962
34	89.9	4813^34	4916^35	4950^36	4808^27	4916D36	4950D36	4964
32	89.6	4813^34	4917^35	4952^36	4810^27	4917D36	4952D36	4966
30	89.4	4813^34	4918^35	4953^36	4811^27	4918D36	4953D36	4968
20	87.8	4814^34	4922^35	4958^36	4814D30	4922D36	4958D36	4976
10	86.3	4803^33	4914^35	4951^36	4803D32	4914D35	4951D36	4971
0	84.8	4803^33	4916^35	4955^36	4803D34	4916D35	4955D36	4981
-10	83.2	4796^33	4914^35	4954^36	4796D33	4914D35	4954D36	4985
-20	81.6	4784^33	4906^35	4947^36	4784D33	4906D35	4947D36	4983
-30	80.0	4769^33	4896^35	4938^36	4769D33	4896D35	4938D36	4980

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-170** per .10" Wing A/I ON **-840**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	4610^37-37-46	4678C38-38-47	4678C38-38-47	4678C38-38-47
46	91.0	4725^39-39-48	4796C40-40-49	4796C40-40-49	4796C40-40-49
44	91.1	4807F40-40-49	4884C41-41-50	4884C41-41-50	4884C41-41-50
42	90.9	4865F40-40-50	4942C42-42-51	4942C42-42-51	4942C42-42-51
40	90.8	4901F41-41-50	4973C42-42-51	4973C42-42-51	4973C42-42-51
38	90.5	4926F41-41-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
36	90.2	4938F42-42-51	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.9	4951F42-42-51	4978C42-42-51	4978C42-42-51	4978C42-42-51
32	89.6	4961^42-42-51	4980C42-42-51	4980C42-42-51	4980C42-42-51
30	89.4	4961^42-42-51	4982C42-42-51	4982C42-42-51	4982C42-42-51
20	87.8	4962^42-42-51	4991C43-43-52	4991C43-43-52	4991C43-43-52
10	86.3	4952^42-42-51	4985C42-42-51	4985C42-42-51	4985C42-42-51
0	84.8	4951^42-42-51	4997C43-43-52	4997C43-43-52	4997C43-43-52
-10	83.2	4945^42-42-51	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.6	4933^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	80.0	4919^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-180** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	464	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.37
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4476^29	4573^31	4605^31
46	4587^30	4684^32	4716^33
44	4685^32	4784^33	4817^34
42	4767^33	4867^35	4901^35
40	4798^33	4900^35	4933^36
38	4811^34	4914^35	4948^36
36	4812^34	4915^35	4949^36
34	4813^34	4916^35	4950^36
32	4813^34	4917^35	4952^36
30	4813^34	4918^35	4953^36
20	4814^34	4922^35	4958^36
10	4803^33	4914^35	4951^36
0	4803^33	4916^35	4955^36
-10	4796^33	4914^35	4954^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-840**
Wing A/I ON **-840**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4471^29	4567^30	4599^31
46	4581^30	4678^32	4711^33
44	4680^32	4779^33	4812^34
42	4762^33	4862^35	4896^35
40	4792^33	4894^35	4929^36
38	4807^34	4910^35	4943^36
36	4808^34	4911^35	4945^36
34	4808^34	4912^35	4946^36
32	4809^34	4913^35	4947^36
30	4809^34	4914^35	4948^36
20	4810^34	4918^35	4953^36
10	4721^32	4831^34	4868^35
0	4717^32	4830^34	4868^35
-10	4711^32	4828^34	4867^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4476^23	4573D31	4605D31
46	4584^24	4684D32	4716D33
44	4681^24	4784D34	4817D34
42	4761^25	4867D35	4901D35
40	4792^25	4900D35	4933D36
38	4806^26	4914D36	4948D36
36	4807^26	4915D36	4949D36
34	4808^27	4916D36	4950D36
32	4810^27	4917D36	4952D36
30	4811^27	4918D36	4953D36
20	4814D30	4922D36	4958D36
10	4803D32	4914D35	4951D36
0	4803D34	4916D35	4955D36
-10	4796D33	4914D35	4954D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-840**
Wing A/I ON **-840**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4471^23	4567D31	4599D31
46	4578^24	4678D32	4711D33
44	4675^24	4779D34	4812D34
42	4756^24	4862D35	4896D35
40	4787^25	4894D35	4929D36
38	4801^26	4910D35	4943D36
36	4803^26	4911D35	4945D36
34	4804^26	4912D35	4946D36
32	4805^27	4913D35	4947D36
30	4806^27	4914D35	4948D36
20	4810D30	4918D36	4953D36
10	4721D32	4831D34	4868D35
0	4717D32	4830D34	4868D35
-10	4711D32	4828D34	4867D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4377F 4	4644F14	4739F17
26	4389F 4	4658F14	4752F17
24	4401F 4	4671F14	4766F18
22	4413F 5	4684F15	4780F18
20	4425F 5	4698F15	4794F18
18	4435F 5	4712F16	4808F19
16	4447F 6	4725F16	4822F19
14	4459F 6	4738F16	4835F20
12	4470F 7	4750F17	4848F20
10	4481F 7	4763F17	4861F20
0	4549F 9	4838F19	4909^23
-10	4615F11	4869^22	4916^25
-20	4680F13	4869^24	4918^28
-30	4720^16	4868^27	4919^31

High QNH **+10** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-800**
Wing A/I ON **-800**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4059F 9	4292F18	4376F21
26	4070F 9	4304F19	4389F22
24	4080F 9	4314F19	4402F22
22	4091F10	4328F19	4414F22
20	4102F10	4338F20	4427F23
18	4112F10	4350F20	4440F23
16	4122F11	4363F20	4452F23
14	4131F11	4374F21	4466F24
12	4143F12	4386F21	4477F24
10	4152F12	4397F22	4490F25
0	4207F14	4465F23	4562F26
-10	4261F16	4533F25	4634F28
-20	4317F18	4602F27	4708F30
-30	4374F20	4675F29	4786F32

High QNH **+40** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-490**
Wing A/I ON **-490**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	464	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.37
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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BAHIAS DE HUATULCO -HUX 25 *DT H255*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1464'		**DT H255**	**1464'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.5	4396^27	4542^30	4586^31
46	87.8	4483^29	4633^31	4686^32
44	87.8	4547^29	4701^32	4755^33
42	87.7	4591^30	4749^33	4803^34
40	87.6	4622^30	4779^33	4834^34
38	87.3	4631^31	4788^33	4843^34
36	87.0	4639^31	4797^33	4852^34
34	86.7	4647^31	4806^34	4861^34
32	86.4	4656^31	4815^34	4869^35
30	86.2	4665^31	4823^34	4879^35
20	84.8	4709^32	4867^35	4922^35
10	83.3	4747^33	4889^35	4927^36
0	81.8	4776^33	4892^35	4931^36
-10	80.3	4770^33	4890^35	4930^36
-20	78.7	4758^33	4882^35	4924^35
-30	77.2	4744^32	4872^35	4916^35

ALT TO-1 - WET RWY

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	4395^22	4542D30	4586D31	4642
46	4477^23	4633D32	4686D32	4757
44	4538^23	4701D32	4755D34	4848
42	4581^24	4749D33	4803D35	4938
40	4610^24	4779D33	4834D35	4957
38	4621^24	4788D34	4843D35	4960
36	4631^25	4797D34	4852D35	4962
34	4643^25	4806D34	4861D36	4964
32	4653^25	4815D35	4869D36	4966
30	4664^26	4823D35	4879D36	4968
20	4709D28	4867D35	4922D36	4976
10	4747D30	4889D35	4927D36	4971
0	4776D32	4892D35	4931D36	4981
-10	4770D33	4890D35	4930D36	4985
-20	4758D33	4882D35	4924D36	4983
-30	4744D33	4872D35	4916D35	4980

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-160** per .10" — Wing A/I ON **-830**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.7	4453^28	4565^30	4597^31
46	91.0	4544^30	4676^32	4709^32
44	91.1	4616^31	4765^33	4809^34
42	90.9	4669^31	4820^34	4873^35
40	90.8	4703^32	4855^34	4908^35
38	90.5	4717^32	4869^35	4922^36
36	90.2	4725^32	4877^35	4929^36
34	89.9	4734^32	4886^35	4938^36
32	89.6	4742^32	4894^35	4943^36
30	89.4	4751^33	4902^35	4945^36
20	87.8	4792^33	4913^35	4950^36
10	86.3	4794^33	4905^35	4943^36
0	84.8	4794^33	4908^35	4947^36
-10	83.2	4788^33	4906^35	4946^36
-20	81.6	4775^33	4898^35	4939^36
-30	80.0	4761^33	4888^35	4931^36

TO-1 - WET RWY

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	4453D24	4565D31	4597D31	4642
46	4539^24	4676D32	4709D33	4757
44	4605^25	4765D33	4809D34	4848
42	4657^26	4820D35	4873D35	4938
40	4692^26	4855D35	4908D36	4957
38	4708^27	4869D35	4922D36	4960
36	4719^27	4877D35	4929D36	4962
34	4730^27	4886D35	4938D36	4964
32	4740^28	4894D35	4943D36	4966
30	4751D28	4902D35	4945D36	4968
20	4792D30	4913D35	4950D36	4976
10	4794D33	4905D35	4943D36	4971
0	4794D33	4908D35	4947D36	4981
-10	4788D33	4906D35	4946D36	4985
-20	4775D33	4898D35	4939D36	4983
-30	4761D33	4888D35	4931D36	4980

High QNH **+0** per .10" — Engine A/I ON **-840**
Low QNH **-170** per .10" — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.7	4453^28-28-38	4565^30-30-39	4597^31-31-40	4629^32-32-40
46	91.0	4544^30-30-39	4676^32-32-41	4709^32-32-42	4741^33-33-42
44	91.1	4616^31-31-40	4765^33-33-42	4809^34-34-43	4842^34-34-43
42	90.9	4669^31-31-41	4820^34-34-43	4873^35-35-44	4926^36-36-45
40	90.8	4703^32-32-41	4855^34-34-44	4908^35-35-44	4957C36-36-45
38	90.5	4717^32-32-42	4869^35-35-44	4922^36-36-45	4960C36-36-45
36	90.2	4725^32-32-42	4877^35-35-44	4929^36-36-45	4962C36-36-45
34	89.9	4734^32-32-42	4886^35-35-44	4938^36-36-45	4964C36-36-45
32	89.6	4742^32-32-42	4894^35-35-44	4943^36-36-45	4966C36-36-45
30	89.4	4751^33-33-42	4902^35-35-44	4945^36-36-45	4968C36-36-45
20	87.8	4792^33-33-43	4913^35-35-45	4950^36-36-45	4988^43-43-51
10	86.3	4794^33-33-43	4917^41-41-50	4972^42-42-51	4985C42-42-51
0	84.8	4806^39-39-49	4966^42-42-51	4997C43-43-52	4997C43-43-52
-10	83.2	4850^40-40-49	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.6	4889^41-41-50	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	80.0	4909^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	464	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.37
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4453^28	4565^30	4597^31
46	4544^30	4676^32	4709^32
44	4616^31	4765^33	4809^34
42	4669^31	4820^34	4873^35
40	4703^32	4855^34	4908^35
38	4717^32	4869^35	4922^36
36	4725^32	4877^35	4929^36
34	4734^32	4886^35	4938^36
32	4742^32	4894^35	4943^36
30	4751^33	4902^35	4945^36
20	4792^33	4913^35	4950^36
10	4794^33	4905^35	4943^36
0	4794^33	4908^35	4947^36
-10	4788^33	4906^35	4946^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-840**
Wing A/I ON **-840**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4446^28	4559^30	4592^31
46	4535^29	4670^32	4703^32
44	4607^30	4757^33	4804^34
42	4661^31	4813^34	4866^35
40	4695^32	4848^34	4900^35
38	4710^32	4862^35	4914^35
36	4718^32	4870^35	4922^36
34	4727^32	4879^35	4931^36
32	4735^32	4887^35	4939^36
30	4743^32	4895^35	4940^36
20	4785^33	4909^35	4945^36
10	4713^32	4823^34	4860^35
0	4708^32	4822^34	4860^35
-10	4702^32	4820^34	4859^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4453D24	4565D31	4597D31
46	4539^24	4676D32	4709D33
44	4605^25	4765D33	4809D34
42	4657^26	4820D35	4873D35
40	4692^26	4855D35	4908D36
38	4708^27	4869D35	4922D36
36	4719^27	4877D35	4929D36
34	4730^27	4886D35	4938D36
32	4740^28	4894D35	4943D36
30	4751D28	4902D35	4945D36
20	4792D30	4913D35	4950D36
10	4794D33	4905D35	4943D36
0	4794D33	4908D35	4947D36
-10	4788D33	4906D35	4946D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-840**
Wing A/I ON **-840**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4446D24	4559D30	4592D31
46	4531^24	4670D32	4703D33
44	4598^25	4757D33	4804D34
42	4649^26	4813D35	4866D35
40	4684^26	4848D35	4900D36
38	4700^27	4862D35	4914D36
36	4712^27	4870D35	4922D36
34	4722^27	4879D35	4931D36
32	4734^28	4887D35	4939D36
30	4743D28	4895D35	4940D36
20	4785D30	4909D35	4945D36
10	4713D32	4823D34	4860D35
0	4708D32	4822D34	4860D35
-10	4702D32	4820D34	4859D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4309F 6	4529^16	4594^19
26	4321F 6	4539^17	4604^20
24	4332F 7	4549^17	4614^20
22	4344F 7	4559^17	4625^21
20	4356F 8	4570^18	4637^21
18	4367F 8	4580^18	4650^21
16	4377F 8	4590^19	4662^22
14	4389F 9	4600^19	4674^22
12	4399F 9	4609^19	4684^23
10	4411F 9	4616^20	4695^23
0	4467^12	4679^22	4763^25
-10	4520^14	4741^24	4830^27
-20	4571^16	4804^26	4895^30
-30	4622^18	4860^29	4913^32

High QNH **+10** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-660**
Wing A/I ON **-660**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4012F10	4243F20	4328F23
26	4022F11	4254F20	4340F23
24	4031F11	4266F20	4354F23
22	4041F12	4279F21	4367F24
20	4051F12	4290F21	4379F24
18	4061F12	4302F21	4393F24
16	4070F13	4313F22	4406F25
14	4079F13	4325F22	4419F25
12	4090F13	4337F23	4431F25
10	4099F14	4349F23	4443^26
0	4155F16	4418F25	4514^28
-10	4208F17	4486^27	4587^29
-20	4265F19	4555^29	4674F31
-30	4324F21	4630^30	4731F32

High QNH **+0** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 464 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope +0.37
Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1034'		**DT H165**	**1034'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4336^26	4507^29	4558^30
46	87.7	4418^27	4598^30	4651^31
44	87.6	4467^28	4651^31	4706^32
42	87.4	4483^28	4668^31	4722^32
40	87.1	4499^28	4684^31	4737^32
38	86.9	4507^28	4692^32	4746^33
36	86.6	4517^29	4700^32	4754^33
34	86.3	4527^29	4709^32	4763^33
32	86.0	4536^29	4718^32	4771^33
30	85.7	4546^29	4726^32	4780^33
20	84.3	4595^30	4771^33	4823^34
10	82.8	4641^31	4810^34	4860^34
0	81.3	4689^31	4857^34	4904^35
-10	79.8	4735^32	4896^35	4937^36
-20	78.3	4763^33	4888^35	4930^36
-30	76.7	4748^33	4878^35	4922^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4279^14	4507D24	4558D27	4722
46	87.7	4356F14	4593^24	4651D27	4841
44	87.6	4401F15	4643^25	4706D28	4899
42	87.4	4419F15	4662^25	4722D28	4947
40	87.1	4436F16	4678^25	4737D29	4959
38	86.9	4448F16	4688^26	4746D29	4961
36	86.6	4460F16	4699^26	4754D29	4962
34	86.3	4468^17	4709^26	4763D30	4964
32	86.0	4479^17	4718D27	4771D30	4966
30	85.7	4491^17	4726D27	4780D30	4968
20	84.3	4548^19	4771D29	4823D32	4976
10	82.8	4603^21	4810D31	4860D34	4973
0	81.3	4665^23	4857D33	4904D36	4984
-10	79.8	4721^25	4896D35	4937D36	4988
-20	78.3	4762^27	4888D35	4930D36	4985
-30	76.7	4748D30	4878D35	4922D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4409^27	4564^30	4609^31
46	90.9	4497^28	4660^31	4707^32
44	90.8	4557^29	4722^32	4770^33
42	90.5	4591^30	4752^33	4799^33
40	90.2	4605^30	4768^33	4814^34
38	90.0	4614^30	4775^33	4822^34
36	89.7	4623^30	4783^33	4829^34
34	89.4	4632^31	4791^33	4837^34
32	89.1	4641^31	4800^33	4843^34
30	88.8	4650^31	4808^34	4853^34
20	87.3	4695^32	4849^34	4892^35
10	85.8	4735^32	4883^35	4923^35
0	84.2	4783^33	4914^35	4953^36
-10	82.7	4791^33	4911^35	4952^36
-20	81.1	4780^33	4903^35	4945^36
-30	79.5	4764^33	4893^35	4936^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4339^15	4564D25	4609D29	4722
46	90.9	4419^16	4654^26	4707D29	4841
44	90.8	4474^17	4713^27	4770D30	4899
42	90.5	4505^17	4745^27	4799D31	4947
40	90.2	4521^18	4761^28	4814D31	4959
38	90.0	4533^18	4771^28	4822D31	4961
36	89.7	4543^18	4781^28	4829D32	4962
34	89.4	4555^19	4791^29	4837D32	4964
32	89.1	4566^19	4800D29	4843D33	4966
30	88.8	4579^19	4808D30	4853D33	4968
20	87.3	4637^21	4849D32	4892D35	4976
10	85.8	4691^23	4883D34	4923D36	4973
0	84.2	4751^25	4914D35	4953D36	4984
-10	82.7	4790^27	4911D35	4952D36	4988
-20	81.1	4780D30	4903D35	4945D36	4985
-30	79.5	4764D33	4893D35	4936D36	4983

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4409^27-27-37	4564^30-30-39	4609^31-31-40	4650^32-32-41
46	90.9	4497^28-28-38	4660^31-31-41	4707^32-32-42	4751^33-33-42
44	90.8	4557^29-29-39	4722^32-32-42	4770^33-33-42	4814^34-34-43
42	90.5	4591^30-30-40	4752^33-33-42	4799^33-33-43	4842^34-34-43
40	90.2	4605^30-30-40	4768^33-33-42	4814^34-34-43	4856^34-34-44
38	90.0	4614^30-30-40	4775^33-33-43	4822^34-34-43	4864^35-35-44
36	89.7	4623^30-30-40	4783^33-33-43	4829^34-34-43	4871^35-35-44
34	89.4	4632^31-31-40	4791^33-33-43	4837^34-34-43	4878^35-35-44
32	89.1	4641^31-31-41	4800^33-33-43	4843^34-34-43	4886^35-35-44
30	88.8	4650^31-31-41	4808^34-34-43	4853^34-34-44	4893^35-35-44
20	87.3	4695^32-32-41	4849^34-34-44	4892^35-35-44	4932^36-36-45
10	85.8	4735^32-32-42	4883^35-35-44	4923^35-35-45	4973C36-36-45
0	84.2	4783^33-33-43	4914^35-35-45	4953^36-36-45	4984C36-36-46
-10	82.7	4791^33-33-43	4911^41-41-50	4961^42-42-51	5003C43-43-52
-20	81.1	4786^39-39-48	4951^42-42-51	4998^43-43-52	5000C43-43-52
-30	79.5	4830^40-40-49	4990^43-43-51	4996C43-43-52	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	34	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.01
Rwy Rev.		Program						Rules	FAA		**04 Apr 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4409^27	4564^30	4609^31
46	4497^28	4660^31	4707^32
44	4557^29	4722^32	4770^33
42	4591^30	4752^33	4799^33
40	4605^30	4768^33	4814^34
38	4614^30	4775^33	4822^34
36	4623^30	4783^33	4829^34
34	4632^31	4791^33	4837^34
32	4641^31	4800^33	4843^34
30	4650^31	4808^34	4853^34
20	4695^32	4849^34	4892^35
10	4735^32	4883^35	4923^35
0	4783^33	4914^35	4953^36
-10	4791^33	4911^35	4952^36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4401^27	4557^30	4603^31
46	4488^28	4652^31	4699^32
44	4547^29	4714^32	4762^33
42	4581^30	4744^33	4792^33
40	4596^30	4759^33	4807^34
38	4606^30	4768^33	4815^34
36	4615^30	4776^33	4823^34
34	4623^30	4784^33	4830^34
32	4633^31	4793^33	4838^34
30	4642^31	4801^33	4846^34
20	4687^32	4842^34	4885^35
10	4679^32	4825^34	4862^35
0	4712^32	4828^34	4866^35
-10	4705^32	4824^34	4863^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4339^15	4564D25	4609D29
46	4419^16	4654^26	4707D29
44	4474^17	4713^27	4770D30
42	4505^17	4745^27	4799D31
40	4521^18	4761^28	4814D31
38	4533^18	4771^28	4822D31
36	4543^18	4781^28	4829D32
34	4555^19	4791^29	4837D32
32	4566^19	4800D29	4843D33
30	4579^19	4808D30	4853D33
20	4637^21	4849D32	4892D35
10	4691^23	4883D34	4923D36
0	4751^25	4914D35	4953D36
-10	4790^27	4911D35	4952D36

High QNH **+10** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4333^15	4557D25	4603D28
46	4411^16	4646^26	4699D29
44	4466^16	4705^26	4762D30
42	4497^17	4737^27	4792D30
40	4514^17	4753^28	4807D31
38	4526^18	4764^28	4815D31
36	4537^18	4774^28	4823D32
34	4548^19	4784D29	4830D32
32	4559^19	4793D29	4838D32
30	4571^19	4801D29	4846D33
20	4630^21	4842D31	4885D35
10	4643^23	4825D34	4862D35
0	4703^25	4828D34	4866D35
-10	4705D28	4824D34	4863D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3830F98	4267F 7	4362F10
26	3953F98	4279F 7	4375F11
24	4029F98	4292F 8	4388F11
22	4039F98	4305F 8	4401F12
20	4052F98	4317F 9	4414F12
18	4061F99	4329F 9	4426F12
16	4069F99	4341F 9	4440F13
14	4080F99	4353F10	4452F13
12	4091F 0	4365F10	4464F14
10	4102F 0	4378F11	4477F14
0	4161F 2	4448F13	4546^16
-10	4219F 4	4516F15	4612^18
-20	4282F 6	4582^17	4678^21
-30	4342F 8	4648^19	4744^23

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3560F 2	3991F10	4155F13
26	3575F 2	4008F11	4173F13
24	3585F 3	4026F11	4192F13
22	3596F 3	4045F11	4210F14
20	3608F 3	4064F11	4230F14
18	3620F 4	4083F12	4250F14
16	3627F 4	4100F12	4271F15
14	3643F 4	4118F12	4282^15
12	3657F 5	4138F13	4279^15
10	3671F 5	4159F13	4279^15
0	3750F 7	4242^14	4285^15
-10	3841F 8	4238^14	4283^15
-20	3928F10	4232^14	4277^15
-30	4038F11	4221^14	4269^15

High QNH **+0** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	34	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.01
Rwy Rev.		Program						Rules	FAA		**04 Apr 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1034'		**DT H345**	**1034'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4361F26	4529^29	4572^30
46	87.7	4438F27	4624^31	4667^31
44	87.6	4485F28	4677^31	4722^32
42	87.4	4501F28	4695^32	4740^32
40	87.1	4516F29	4710^32	4755^33
38	86.9	4527F29	4718^32	4762^33
36	86.6	4538F29	4725^32	4769^33
34	86.3	4549F29	4733^32	4777^33
32	86.0	4561F29	4741^32	4787^33
30	85.7	4572F29	4748^33	4797^33
20	84.3	4632F31	4789^33	4848^34
10	82.8	4683^31	4834^34	4895^35
0	81.3	4728^32	4886^35	4938^36
-10	79.8	4766^33	4896^35	4937^36
-20	78.3	4763^33	4888^35	4931^36
-30	76.7	4749^33	4878^35	4922^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4286F14	4524^24	4572D27	4722
46	87.7	4358F14	4612^24	4667D27	4841
44	87.6	4403F15	4665^25	4722D28	4899
42	87.4	4421F15	4682^25	4740D28	4947
40	87.1	4438F16	4698^25	4755D29	4959
38	86.9	4450F16	4708^26	4762D29	4961
36	86.6	4462F16	4717^26	4769D29	4962
34	86.3	4474F17	4727^26	4777D30	4964
32	86.0	4487F17	4736^27	4787D30	4966
30	85.7	4500F17	4746^27	4797D30	4968
20	84.3	4566F19	4789D29	4848D32	4976
10	82.8	4631F21	4834D31	4895D34	4973
0	81.3	4696^23	4886D33	4938D36	4984
-10	79.8	4747^25	4896D35	4937D36	4988
-20	78.3	4763^27	4888D35	4931D36	4985
-30	76.7	4749D30	4878D35	4922D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4449^28	4581^30	4637^31
46	90.9	4541^29	4675^32	4731^33
44	90.8	4602^30	4737^32	4793^33
42	90.5	4632^31	4768^33	4826^34
40	90.2	4646^31	4783^33	4842^34
38	90.0	4655^31	4792^33	4852^34
36	89.7	4662^31	4801^33	4861^34
34	89.4	4670^31	4811^34	4871^35
32	89.1	4678^31	4821^34	4880^35
30	88.8	4686^32	4831^34	4890^35
20	87.3	4727^32	4880^35	4940^36
10	85.8	4759^33	4910^35	4948^36
0	84.2	4799^33	4914^35	4954^36
-10	82.7	4792^33	4911^35	4952^36
-20	81.1	4780^33	4903^35	4945^36
-30	79.5	4765^33	4893^35	4937^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4360F15	4579^25	4637D28	4722
46	90.9	4434F16	4664^26	4731D29	4841
44	90.8	4489F16	4724^26	4793D30	4899
42	90.5	4524F17	4756^27	4826D30	4947
40	90.2	4541F17	4773^28	4842D31	4959
38	90.0	4554F18	4785^28	4852D31	4961
36	89.7	4567F18	4796^28	4861D32	4962
34	89.4	4580F19	4808^29	4871D32	4964
32	89.1	4594F19	4821^29	4880D32	4966
30	88.8	4605F19	4831D29	4890D33	4968
20	87.3	4667^21	4880D31	4940D35	4976
10	85.8	4715^23	4910D34	4948D36	4973
0	84.2	4771^25	4914D35	4954D36	4984
-10	82.7	4790^27	4911D35	4952D36	4988
-20	81.1	4780D30	4903D35	4945D36	4985
-30	79.5	4765D33	4893D35	4937D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4449^28-28-38	4581^30-30-40	4637^31-31-41	4695^32-32-41
46	90.9	4541^29-29-39	4675^32-32-41	4731^33-33-42	4790^34-34-43
44	90.8	4602^30-30-40	4737^32-32-42	4793^33-33-43	4853^34-34-44
42	90.5	4632^31-31-40	4768^33-33-42	4826^34-34-43	4886^35-35-44
40	90.2	4646^31-31-41	4783^33-33-43	4842^34-34-43	4902^35-35-44
38	90.0	4655^31-31-41	4792^33-33-43	4852^34-34-44	4912^35-35-45
36	89.7	4662^31-31-41	4801^33-33-43	4861^34-34-44	4921^36-36-45
34	89.4	4670^31-31-41	4811^34-34-43	4871^35-35-44	4931^36-36-45
32	89.1	4678^31-31-41	4821^34-34-43	4880^35-35-44	4941^36-36-45
30	88.8	4686^32-32-41	4831^34-34-43	4890^35-35-44	4951^36-36-45
20	87.3	4727^32-32-42	4880^35-35-44	4940^36-36-45	4976C36-36-45
10	85.8	4759^33-33-42	4910^35-35-44	4948^36-36-45	4973C36-36-45
0	84.2	4799^33-33-43	4914^35-35-45	4954^36-36-45	4998C43-43-52
-10	82.7	4792^33-33-43	4933^41-41-51	4996^43-43-52	5003C43-43-52
-20	81.1	4822^40-40-49	4983^42-42-51	5000C43-43-52	5000C43-43-52
-30	79.5	4857^40-40-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	34	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**04 Apr 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4449^28	4581^30	4637^31	4441^28	4573^30	4630^31			
46	4541^29	4675^32	4731^33	4535F29	4667^32	4722^32			
44	4602^30	4737^32	4793^33	4595F30	4729^32	4784^33			
42	4632^31	4768^33	4826^34	4624^30	4759^33	4818^34			
40	4646^31	4783^33	4842^34	4638^31	4775^33	4833^34			
38	4655^31	4792^33	4852^34	4647^31	4784^33	4844^34			
36	4662^31	4801^33	4861^34	4655^31	4794^33	4853^34			
34	4670^31	4811^34	4871^35	4662^31	4803^34	4863^35			
32	4678^31	4821^34	4880^35	4671^31	4813^34	4873^35			
30	4686^32	4831^34	4890^35	4679^31	4823^34	4882^35			
20	4727^32	4880^35	4940^36	4720^32	4872^35	4932^36			
10	4759^33	4910^35	4948^36	4698^32	4825^34	4862^35			
0	4799^33	4914^35	4954^36	4713^32	4828^34	4866^35			
-10	4792^33	4911^35	4952^36	4705^32	4824^34	4864^35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4360F15	4579^25	4637D28	4352F15	4570^25	4630D28			
46	4434F16	4664^26	4731D29	4426F16	4657^26	4722D29			
44	4489F16	4724^26	4793D30	4481F16	4717^26	4784D30			
42	4524F17	4756^27	4826D30	4516F17	4748^27	4818D30			
40	4541F17	4773^28	4842D31	4533F17	4765^27	4833D31			
38	4554F18	4785^28	4852D31	4546F18	4777^28	4844D31			
36	4567F18	4796^28	4861D32	4559F18	4789^28	4853D31			
34	4580F19	4808^29	4871D32	4572F18	4800^29	4863D32			
32	4594F19	4821^29	4880D32	4586F19	4813^29	4873D32			
30	4605F19	4831D29	4890D33	4600F19	4823D29	4882D33			
20	4667^21	4880D31	4940D35	4661^21	4872D31	4932D35			
10	4715^23	4910D34	4948D36	4663^23	4825D34	4862D35			
0	4771^25	4914D35	4954D36	4709^25	4828D34	4866D35			
-10	4790^27	4911D35	4952D36	4705D28	4824D34	4864D35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3813F98	4269F 7	4364F10	3563F 2	3989F10	4153F13			
26	3936F98	4282F 7	4377F11	3576F 2	4009F11	4173F13			
24	4031F98	4294F 8	4390F11	3588F 3	4025F11	4191F13			
22	4041F98	4306F 8	4403F11	3597F 3	4045F11	4210F14			
20	4054F98	4319F 9	4415F12	3610F 3	4063F11	4228F14			
18	4062F99	4330F 9	4428F12	3618F 4	4082F12	4250F14			
16	4073F99	4342F 9	4441F13	3631F 4	4100F12	4269F15			
14	4082F99	4355F10	4452F13	3644F 4	4116F12	4283^15			
12	4093F 0	4367F10	4466F13	3656F 5	4137F13	4280^15			
10	4104F 0	4380F11	4479F14	3673F 5	4152F13	4280^15			
0	4163F 2	4450F13	4553F16	3753F 6	4242^14	4285^15			
-10	4222F 4	4517F15	4627F18	3843F 8	4238^14	4283^15			
-20	4283F 6	4591F17	4702F20	3934F10	4232^14	4277^15			
-30	4344F 8	4665F19	4766^23	4037F11	4221^14	4269^15			
	High QNH +80 per .10" Low QNH -60 per .10"			High QNH +10 per .10" Low QNH -90 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -440 Wing A/I ON -440			Engine A/I ON -720 Wing A/I ON -720			Engine A/I ON Wing A/I ON		

Elevation 34 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope -0.01

Rwy Rev. Program Rules FAA **04 Apr 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1022'		**DT H125**	**1022'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4538^30	4637^31	4670^32
46	87.7	4650^31	4750^33	4784^33
44	87.6	4712F32	4833^34	4868^35
42	87.4	4729F32	4884^35	4919^36
40	87.1	4745F33	4891^35	4926^36
38	86.8	4756F33	4893^35	4928^36
36	86.6	4768F33	4895^35	4930^36
34	86.3	4779F33	4896^35	4931^36
32	86.0	4790^33	4897^35	4933^36
30	85.7	4790^33	4898^35	4934^36
20	84.3	4791^33	4903^35	4939^36
10	82.8	4780^33	4894^35	4933^36
0	81.3	4782^33	4899^35	4939^36
-10	79.8	4775^33	4896^35	4937^36
-20	78.3	4764^33	4889^35	4931^36
-30	76.7	4749^33	4879^35	4923^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4501F19	4637D29	4670D32	4724
4576F19	4750D29	4784D32	4843
4626F20	4833^29	4868D33	4901
4642F20	4882^30	4919D33	4947
4659F20	4890^30	4926D33	4959
4672F21	4893^30	4928D34	4961
4685F21	4895^31	4930D34	4962
4698F21	4896D31	4931D35	4964
4711F22	4897D32	4933D35	4966
4724F22	4898D32	4934D35	4968
4785^24	4903D34	4939D36	4976
4778^26	4894D35	4933D36	4973
4782D28	4899D35	4939D36	4984
4775D31	4896D35	4937D36	4988
4764D33	4889D35	4931D36	4985
4749D33	4879D35	4923D36	4983

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-850** — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4550^30	4648^32	4622^31
46	90.9	4663^31	4762^33	4795^34
44	90.8	4745^33	4847^34	4881^35
42	90.5	4798^33	4901^35	4936^36
40	90.2	4805^34	4908^35	4942^36
38	89.9	4806^34	4910^35	4945^36
36	89.7	4807^34	4912^35	4946^36
34	89.4	4808^34	4913^35	4947^36
32	89.1	4807^34	4914^35	4949^36
30	88.8	4808^34	4915^35	4950^36
20	87.3	4809^34	4919^35	4955^36
10	85.8	4798^33	4910^35	4948^36
0	84.2	4799^33	4915^35	4954^36
-10	82.7	4792^33	4912^35	4952^36
-20	81.1	4780^33	4904^35	4946^36
-30	79.5	4765^33	4893^35	4937^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4543^20	4648D31	4622D32	4664
4654^21	4762D31	4795D34	4843
4717F21	4847D32	4881D35	4901
4755F22	4901D32	4936D36	4947
4772F22	4908D33	4942D36	4959
4785F23	4910D33	4945D36	4961
4797^23	4912D34	4946D36	4962
4798^23	4913D34	4947D36	4964
4799^24	4914D35	4949D36	4966
4801^24	4915D35	4950D36	4968
4805^27	4919D36	4955D36	4976
4798^29	4910D35	4948D36	4973
4799D31	4915D35	4954D36	4984
4792D33	4912D35	4952D36	4988
4780D33	4904D35	4946D36	4985
4765D33	4893D35	4937D36	4983

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-860** — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4550^30-30-39	4757C39-39-48	4757C39-39-48	4757C39-39-48
46	90.9	4663^31-31-41	4857F41-41-50	4882C41-41-50	4882C41-41-50
44	90.8	4745^33-33-42	4924F42-42-51	4948C42-42-51	4948C42-42-51
42	90.5	4798^33-33-43	4962C42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4805^34-34-43	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	89.9	4806^34-34-43	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4807^34-34-43	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	89.4	4808^34-34-43	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4807^34-34-43	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4808^34-34-43	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4850F40-40-49	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4912F41-41-50	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4914^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-890** — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	22	Length	9186	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4550^30	4648^32	4622^31
46	4663^31	4762^33	4795^34
44	4745^33	4847^34	4881^35
42	4798^33	4901^35	4936^36
40	4805^34	4908^35	4942^36
38	4806^34	4910^35	4945^36
36	4807^34	4912^35	4946^36
34	4808^34	4913^35	4947^36
32	4807^34	4914^35	4949^36
30	4808^34	4915^35	4950^36
20	4809^34	4919^35	4955^36
10	4798^33	4910^35	4948^36
0	4799^33	4915^35	4954^36
-10	4792^33	4912^35	4952^36

High QNH	**+0**	per .10"	
Low QNH	**-170**	per .10"	
Engine A/I ON	**-860**		
Wing A/I ON	**-860**		

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4544^30	4642^31	4675^32
46	4657^31	4756^33	4789^34
44	4739^33	4841^34	4875^35
42	4793^33	4896^35	4931^36
40	4800^33	4903^35	4938^36
38	4802^34	4906^35	4941^36
36	4803^34	4908^35	4942^36
34	4803^34	4908^35	4943^36
32	4803^34	4909^35	4944^36
30	4803^34	4910^35	4945^36
20	4804^34	4913^35	4950^36
10	4766^33	4825^34	4862^35
0	4713^32	4828^34	4867^35
-10	4705^32	4824^34	4864^35

High QNH	**+0**	per .10"	
Low QNH	**-170**	per .10"	
Engine A/I ON	**+0**		
Wing A/I ON	**+0**		

OAT °C	Flaps -10T	+0	+10H

High QNH			per .10"
Low QNH			per .10"
Engine A/I ON			
Wing A/I ON			

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4543^20	4648D31	4622D32
46	4654^21	4762D31	4795D34
44	4717F21	4847D32	4881D35
42	4755F22	4901D32	4936D36
40	4772F22	4908D33	4942D36
38	4785F23	4910D33	4945D36
36	4797^23	4912D34	4946D36
34	4798^23	4913D34	4947D36
32	4799^24	4914D35	4949D36
30	4801^24	4915D35	4950D36
20	4805^27	4919D36	4955D36
10	4798^29	4910D35	4948D36
0	4799D31	4915D35	4954D36
-10	4792D33	4912D35	4952D36

High QNH	**+0**	per .10"	
Low QNH	**-170**	per .10"	
Engine A/I ON	**-860**		
Wing A/I ON	**-860**		

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4537^20	4642D31	4675D32
46	4647^21	4756D31	4789D34
44	4708F21	4841D32	4875D35
42	4746F22	4896D32	4931D36
40	4763F22	4903D33	4938D36
38	4777F23	4906D33	4941D36
36	4790F23	4908D33	4942D36
34	4794^23	4908D34	4943D36
32	4795^24	4909D34	4944D36
30	4796^24	4910D35	4945D36
20	4800^26	4913D35	4950D36
10	4716^29	4825D34	4862D35
0	4713D32	4828D34	4867D35
-10	4705D32	4824D34	4864D35

High QNH	**+0**	per .10"	
Low QNH	**-170**	per .10"	
Engine A/I ON	**+0**		
Wing A/I ON	**+0**		

OAT °C	Flaps -10T	+0	+10H

High QNH			per .10"
Low QNH			per .10"
Engine A/I ON			
Wing A/I ON			

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4220F 2	4485F12	4579F15
26	4231F 2	4496F12	4593F16
24	4243F 3	4509F13	4606F16
22	4254F 3	4522F13	4620F16
20	4265F 3	4535F14	4633F17
18	4275F 4	4548F14	4647F17
16	4286F 4	4561F14	4661F18
14	4297F 5	4574F15	4674F18
12	4309F 5	4587F15	4687F18
10	4320F 5	4600F16	4700F19
0	4382F 7	4673F18	4776F21
-10	4444F 9	4745F20	4849F23
-20	4509F11	4819F22	4905^25
-30	4573F14	4854^25	4906^28

High QNH	**+10**	per .10"	
Low QNH	**-60**	per .10"	
Engine A/I ON	**-690**		
Wing A/I ON	**-690**		

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3885F 7	4136F17	4224F20
26	3896F 7	4145F17	4237F20
24	3906F 8	4159F17	4250F20
22	3916F 8	4170F18	4260F21
20	3927F 8	4182F18	4274F21
18	3936F 9	4193F18	4287F21
16	3946F 9	4205F19	4301F22
14	3957F10	4217F19	4314F22
12	3968F10	4229F20	4327F23
10	3979F10	4242F20	4341F23
0	4039F12	4310F22	4410F25
-10	4092F14	4378F24	4483F27
-20	4149F16	4450F26	4559F29
-30	4207F18	4522F28	4635F31

High QNH	**+80**	per .10"	
Low QNH	**-70**	per .10"	
Engine A/I ON	**-470**		
Wing A/I ON	**-470**		

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH			per .10"
Low QNH			per .10"
Engine A/I ON			
Wing A/I ON			

Elevation	22	Length	9186	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1022'		**DT H125**	**1022'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4537^30	4636^31	4669^32
46	87.7	4650^31	4750^33	4783^33
44	87.6	4730^32	4833^34	4868^35
42	87.4	4779^33	4884^35	4919^35
40	87.1	4786^33	4891^35	4926^36
38	86.8	4788^33	4893^35	4928^36
36	86.6	4788^33	4894^35	4930^36
34	86.3	4789^33	4896^35	4931^36
32	86.0	4789^33	4897^35	4932^36
30	85.7	4790^33	4898^35	4934^36
20	84.3	4791^33	4902^35	4939^36
10	82.8	4780^33	4894^35	4933^36
0	81.3	4782^33	4899^35	4939^36
-10	79.8	4775^33	4896^35	4937^36
-20	78.3	4763^33	4888^35	4931^36
-30	76.7	4748^33	4878^35	4922^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4537D30	4636D31	4669D32	4724
4650D31	4750D33	4783D34	4843
4730D32	4833D34	4868D35	4901
4779D33	4884D35	4919D36	4947
4786D33	4891D35	4926D36	4959
4788D33	4893D35	4928D36	4961
4788D33	4894D35	4930D36	4962
4789D33	4896D35	4931D36	4964
4789D33	4897D35	4932D36	4966
4790D33	4898D35	4934D36	4968
4791D33	4902D35	4939D36	4976
4780D33	4894D35	4933D36	4973
4782D33	4899D35	4939D36	4984
4775D33	4896D35	4937D36	4988
4763D33	4888D35	4931D36	4985
4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4550^30	4648^32	4680^32
46	90.9	4663^31	4762^33	4795^34
44	90.8	4745^33	4847^34	4880^35
42	90.5	4798^33	4900^35	4935^36
40	90.2	4805^34	4908^35	4942^36
38	89.9	4806^34	4910^35	4944^36
36	89.7	4807^34	4911^35	4946^36
34	89.4	4807^34	4912^35	4947^36
32	89.1	4808^34	4914^35	4948^36
30	88.8	4808^34	4915^35	4950^36
20	87.3	4809^34	4919^35	4955^36
10	85.8	4798^33	4910^35	4948^36
0	84.2	4799^33	4914^35	4954^36
-10	82.7	4792^33	4912^35	4952^36
-20	81.1	4779^33	4903^35	4945^36
-30	79.5	4765^33	4893^35	4937^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4550D30	4648D32	4680D32	4724
4663D32	4762D33	4795D34	4843
4745D33	4847D34	4880D35	4901
4798D34	4900D35	4935D36	4947
4805D34	4908D35	4942D36	4959
4806D34	4910D35	4944D36	4961
4807D34	4911D35	4946D36	4962
4807D34	4912D35	4947D36	4964
4808D34	4914D35	4948D36	4966
4808D34	4915D35	4950D36	4968
4809D34	4919D36	4955D36	4976
4798D34	4910D35	4948D36	4973
4799D33	4914D35	4954D36	4984
4792D33	4912D35	4952D36	4988
4779D33	4903D35	4945D36	4985
4765D33	4893D35	4937D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4685^38-38-47	4757C39-39-48	4757C39-39-48	4757C39-39-48
46	90.9	4803^40-40-49	4882C41-41-50	4882C41-41-50	4882C41-41-50
44	90.8	4890^41-41-50	4948C42-42-51	4948C42-42-51	4948C42-42-51
42	90.5	4945^42-42-51	4962C42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4951^42-42-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	89.9	4952^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4953^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	89.4	4953^42-42-51	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4954^42-42-51	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4955^42-42-51	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4956^42-42-51	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4945^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4914^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" Engine A/I ON **-890**
Low QNH **-180** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	22	Length	11483	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.02
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP | **DRY - EAI VLV INOP OPEN**

OAT °C	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4550^30	4648^32	4680^32	4544^30	4642^31	4675^32			
46	4663^31	4762^33	4795^34	4657^31	4756^33	4789^34			
44	4745^33	4847^34	4880^35	4740^33	4841^34	4875^35			
42	4798^33	4900^35	4935^36	4793^33	4896^35	4930^36			
40	4805^34	4908^35	4942^36	4800^33	4903^35	4938^36			
38	4806^34	4910^35	4944^36	4802^34	4906^35	4940^36			
36	4807^34	4911^35	4946^36	4803^34	4907^35	4942^36			
34	4807^34	4912^35	4947^36	4803^34	4908^35	4943^36			
32	4808^34	4914^35	4948^36	4803^34	4909^35	4944^36			
30	4808^34	4915^35	4950^36	4804^34	4910^35	4945^36			
20	4809^34	4919^35	4955^36	4804^34	4913^35	4950^36			
10	4798^33	4910^35	4948^36	4713^32	4825^34	4862^35			
0	4799^33	4914^35	4954^36	4713^32	4828^34	4866^35			
-10	4792^33	4912^35	4952^36	4705^32	4824^34	4864^35			

High QNH		**+0**	per .10"	High QNH		**+0**	per .10"	High QNH	per .10"
Low QNH		**-170**	per .10"	Low QNH		**-170**	per .10"	Low QNH	per .10"
Engine A/I ON		**-860**		Engine A/I ON		**+0**		Engine A/I ON	
Wing A/I ON		**-860**		Wing A/I ON		**+0**		Wing A/I ON	

WET - 1 FLP CHNL INOP | **WET - EAI VLV INOP OPEN**

OAT °C	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4550D30	4648D32	4680D32	4544D30	4642D32	4675D32			
46	4663D32	4762D33	4795D34	4657D31	4756D33	4789D34			
44	4745D33	4847D34	4880D35	4740D33	4841D34	4875D35			
42	4798D34	4900D35	4935D36	4793D34	4896D35	4930D36			
40	4805D34	4908D35	4942D36	4800D34	4903D35	4938D36			
38	4806D34	4910D35	4944D36	4802D34	4906D35	4940D36			
36	4807D34	4911D35	4946D36	4803D34	4907D35	4942D36			
34	4807D34	4912D35	4947D36	4803D34	4908D35	4943D36			
32	4808D34	4914D35	4948D36	4803D34	4909D35	4944D36			
30	4808D34	4915D35	4950D36	4804D34	4910D35	4945D36			
20	4809D34	4919D36	4955D36	4804D34	4913D35	4950D36			
10	4798D34	4910D35	4948D36	4713D32	4825D34	4862D35			
0	4799D33	4914D35	4954D36	4713D32	4828D34	4866D35			
-10	4792D33	4912D35	4952D36	4705D32	4824D34	4864D35			

High QNH		**+0**	per .10"	High QNH		**+0**	per .10"	High QNH	per .10"
Low QNH		**-170**	per .10"	Low QNH		**-170**	per .10"	Low QNH	per .10"
Engine A/I ON		**-860**		Engine A/I ON		**+0**		Engine A/I ON	
Wing A/I ON		**-860**		Wing A/I ON		**+0**		Wing A/I ON	

LEVEL 1 CONTAM | **LEVEL 2 CONTAM** | **LEVEL 3 CONTAM**

OAT °C	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
28	4688^14	4875^24	4918^27	4427F18	4664^26	4736^29			
26	4698^14	4877^24	4920^28	4439F18	4675^27	4747^30			
24	4708^15	4879^25	4923^28	4450F18	4686^27	4759^30			
22	4719^15	4881^25	4925^29	4463F19	4697^28	4772^30			
20	4729^15	4883^26	4927^29	4474F19	4708^28	4784^31			
18	4740^16	4885^26	4930^30	4486F19	4721^28	4797^31			
16	4750^16	4886^27	4931^30	4498F20	4732^29	4811^31			
14	4752^17	4884^27	4929^31	4510F20	4745^29	4826^32			
12	4749^17	4882^28	4928^31	4522F20	4753^29	4839^32			
10	4749^18	4883^28	4929^32	4533F21	4764^30	4852^33			
0	4757^20	4895^31	4943^34	4599F23	4833^32	4909^35			
-10	4758^23	4902^34	4948^36	4660F25	4869^34	4925^35			
-20	4753^25	4899^35	4941^36	4709^27	4878^35	4920^35			
-30	4747^28	4889^35	4932^36	4712^29	4868^35	4912^35			

High QNH		**+10**	per .10"	High QNH		**+10**	per .10"	High QNH	per .10"
Low QNH		**-10**	per .10"	Low QNH		**-60**	per .10"	Low QNH	per .10"
Engine A/I ON		**-810**		Engine A/I ON		**-790**		Engine A/I ON	
Wing A/I ON		**-810**		Wing A/I ON		**-790**		Wing A/I ON	

Elevation	22	Length	11483	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.02
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1022'		**DT H305**	**1022'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4537^30	4636^31	4669^32	4537D30	4636D31	4669D32	4724
46	87.7	4649^31	4749^33	4783^33	4649D31	4749D33	4783D34	4843
44	87.6	4729^32	4832^34	4867^35	4729D32	4832D34	4867D35	4901
42	87.4	4779^33	4883^35	4918^35	4779D33	4883D35	4918D36	4947
40	87.1	4786^33	4891^35	4925^36	4786D33	4891D35	4925D36	4959
38	86.8	4787^33	4893^35	4928^36	4787D33	4893D35	4928D36	4961
36	86.6	4788^33	4894^35	4929^36	4788D33	4894D35	4929D36	4962
34	86.3	4788^33	4895^35	4930^36	4788D33	4895D35	4930D36	4964
32	86.0	4789^33	4896^35	4932^36	4789D33	4896D35	4932D36	4966
30	85.7	4789^33	4897^35	4933^36	4789D33	4897D35	4933D36	4968
20	84.3	4791^33	4902^35	4939^36	4791D33	4902D35	4939D36	4976
10	82.8	4780^33	4893^35	4932^36	4780D33	4893D35	4932D36	4973
0	81.3	4781^33	4898^35	4938^36	4781D33	4898D35	4938D36	4984
-10	79.8	4775^33	4896^35	4937^36	4775D33	4896D35	4937D36	4988
-20	78.3	4763^33	4888^35	4930^36	4763D33	4888D35	4930D36	4985
-30	76.7	4748^33	4878^35	4922^35	4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4549^30	4647^32	4680^32	4549D30	4647D32	4680D32	4724
46	90.9	4662^31	4761^33	4794^34	4662D32	4761D33	4794D34	4843
44	90.8	4745^33	4846^34	4880^35	4745D33	4846D34	4880D35	4901
42	90.5	4798^33	4900^35	4935^36	4798D34	4900D35	4935D36	4947
40	90.2	4804^34	4908^35	4942^36	4804D34	4908D35	4942D36	4959
38	89.9	4806^34	4910^35	4944^36	4806D34	4910D35	4944D36	4961
36	89.7	4806^34	4911^35	4945^36	4806D34	4911D35	4945D36	4962
34	89.4	4807^34	4912^35	4947^36	4807D34	4912D35	4947D36	4964
32	89.1	4807^34	4913^35	4948^36	4807D34	4913D35	4948D36	4966
30	88.8	4808^34	4914^35	4949^36	4808D34	4914D35	4949D36	4968
20	87.3	4809^34	4918^35	4954^36	4809D34	4918D36	4954D36	4976
10	85.8	4797^33	4910^35	4948^36	4797D34	4910D35	4948D36	4973
0	84.2	4798^33	4914^35	4953^36	4798D33	4914D35	4953D36	4984
-10	82.7	4792^33	4911^35	4952^36	4792D33	4911D35	4952D36	4988
-20	81.1	4779^33	4903^35	4945^36	4779D33	4903D35	4945D36	4985
-30	79.5	4764^33	4893^35	4936^36	4764D33	4893D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4685^38-38-47	4757C39-39-48	4757C39-39-48	4757C39-39-48
46	90.9	4802^40-40-49	4882C41-41-50	4882C41-41-50	4882C41-41-50
44	90.8	4890^41-41-50	4948C42-42-51	4948C42-42-51	4948C42-42-51
42	90.5	4944^42-42-51	4962C42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4950^42-42-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	89.9	4952^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4952^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	89.4	4953^42-42-51	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4954^42-42-51	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4954^42-42-51	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4956^42-42-51	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4945^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" Engine A/I ON **-890**
Low QNH **-180** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	22	Length	11483	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.02
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4549^30	4647^32	4680^32
46	4662^31	4761^33	4794^34
44	4745^33	4846^34	4880^35
42	4798^33	4900^35	4935^36
40	4804^34	4908^35	4942^36
38	4806^34	4910^35	4944^36
36	4806^34	4911^35	4945^36
34	4807^34	4912^35	4947^36
32	4807^34	4913^35	4948^36
30	4808^34	4914^35	4949^36
20	4809^34	4918^35	4954^36
10	4797^33	4910^35	4948^36
0	4798^33	4914^35	4953^36
-10	4792^33	4911^35	4952^36

High QNH	**+0**	per .10"
Low QNH	**-170**	per .10"
Engine A/I ON		**-860**
Wing A/I ON		**-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4544^30	4641^31	4674^32
46	4656^31	4755^33	4788^34
44	4739^33	4841^34	4875^35
42	4793^33	4895^35	4930^36
40	4800^33	4902^35	4937^36
38	4801^33	4905^35	4940^36
36	4802^34	4907^35	4941^36
34	4802^34	4908^35	4943^36
32	4803^34	4909^35	4944^36
30	4803^34	4910^35	4945^36
20	4804^33	4913^35	4950^36
10	4713^32	4824^34	4862^35
0	4712^32	4828^34	4866^35
-10	4704^32	4824^34	4863^35

High QNH	**+0**	per .10"
Low QNH	**-170**	per .10"
Engine A/I ON		**+0**
Wing A/I ON		**+0**

OAT °C	Flaps -10T	+0	+10H

High QNH		per .10"
Low QNH		per .10"
Engine A/I ON		
Wing A/I ON		

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4549D30	4647D32	4680D32
46	4662D32	4761D33	4794D34
44	4745D33	4846D34	4880D35
42	4798D34	4900D35	4935D36
40	4804D34	4908D35	4942D36
38	4806D34	4910D35	4944D36
36	4806D34	4911D35	4945D36
34	4807D34	4912D35	4947D36
32	4807D34	4913D35	4948D36
30	4808D34	4914D35	4949D36
20	4809D34	4918D36	4954D36
10	4797D34	4910D35	4948D36
0	4798D33	4914D35	4953D36
-10	4792D33	4911D35	4952D36

High QNH	**+0**	per .10"
Low QNH	**-170**	per .10"
Engine A/I ON		**-860**
Wing A/I ON		**-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4544D30	4641D32	4674D32
46	4656D31	4755D33	4788D34
44	4739D33	4841D34	4875D35
42	4793D34	4895D35	4930D36
40	4800D34	4902D35	4937D36
38	4801D34	4905D35	4940D36
36	4802D34	4907D35	4941D36
34	4802D34	4908D35	4943D36
32	4803D34	4909D35	4944D36
30	4803D34	4910D35	4945D36
20	4804D34	4913D35	4950D36
10	4713D32	4824D34	4862D35
0	4712D32	4828D34	4866D35
-10	4704D32	4824D34	4863D35

High QNH	**+0**	per .10"
Low QNH	**-170**	per .10"
Engine A/I ON		**+0**
Wing A/I ON		**+0**

OAT °C	Flaps -10T	+0	+10H

High QNH		per .10"
Low QNH		per .10"
Engine A/I ON		
Wing A/I ON		

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4717F14	4874^24	4917^27
26	4730F14	4877^24	4920^28
24	4743F14	4878^25	4922^28
22	4751^15	4880^25	4925^29
20	4753^15	4882^26	4927^29
18	4754^16	4885^26	4929^30
16	4754^16	4886^27	4931^30
14	4751^17	4884^27	4929^31
12	4749^17	4882^28	4927^31
10	4749^18	4882^28	4929^32
0	4756^20	4895^31	4943^34
-10	4757^23	4902^34	4947^36
-20	4754^26	4899^35	4940^36
-30	4747^28	4889^35	4932^36

High QNH	**+10**	per .10"
Low QNH	**-10**	per .10"
Engine A/I ON		**-810**
Wing A/I ON		**-810**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4424F18	4674F26	4755F29
26	4435F18	4686F27	4767F30
24	4447F18	4696F27	4780F30
22	4459F19	4709F27	4793F30
20	4471F19	4721F28	4804F31
18	4483F19	4734F28	4818F31
16	4495F20	4747F29	4832F31
14	4506F20	4760F29	4846F32
12	4518F21	4772F29	4859F32
10	4530F21	4785F30	4873F32
0	4596F23	4847^32	4908^35
-10	4657F25	4869^34	4925^35
-20	4708^27	4877^35	4919^35
-30	4711^29	4867^35	4911^35

High QNH	**+10**	per .10"
Low QNH	**-60**	per .10"
Engine A/I ON		**-790**
Wing A/I ON		**-790**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH		per .10"
Low QNH		per .10"
Engine A/I ON		
Wing A/I ON		

Elevation	22	Length	11483	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.02
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
		1022'		**DT H305**	**1022'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4536^30	4636^31	4669^32	4492F19	4636D29	4669D32	4724
46	87.7	4649^31	4749^33	4783^33	4567F19	4749D29	4783D32	4843
44	87.6	4700F32	4832^34	4867^35	4615F20	4832^29	4867D33	4901
42	87.4	4717F32	4883^35	4918^35	4633F20	4882^29	4918D33	4947
40	87.1	4733F32	4890^35	4925^36	4650F20	4889^30	4925D33	4959
38	86.8	4744F33	4892^35	4927^36	4663F21	4891^30	4927D34	4961
36	86.6	4755F33	4893^35	4929^36	4675F21	4893^31	4929D34	4962
34	86.3	4767F33	4895^35	4930^36	4688F21	4895D31	4930D35	4964
32	86.0	4779F33	4896^35	4931^36	4701F22	4896D32	4931D35	4966
30	85.7	4789^33	4897^35	4933^36	4715F22	4897D32	4933D35	4968
20	84.3	4790^33	4901^35	4938^36	4783F24	4901D34	4938D36	4976
10	82.8	4780^33	4893^35	4932^36	4776^26	4893D35	4932D36	4973
0	81.3	4781^33	4898^35	4938^36	4781D28	4898D35	4938D36	4984
-10	79.8	4774^33	4895^35	4936^36	4774D31	4895D35	4936D36	4988
-20	78.3	4763^33	4888^35	4930^36	4763D33	4888D35	4930D36	4985
-30	76.7	4748^33	4878^35	4922^35	4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4549^30	4647^32	4680^32	4541^20	4647D31	4680D32	4724
46	90.9	4662^31	4761^33	4794^34	4650F21	4761D31	4794D34	4843
44	90.8	4744^33	4846^34	4880^35	4708F21	4846D32	4880D35	4901
42	90.5	4797^33	4900^35	4935^36	4746F22	4900D32	4935D36	4947
40	90.2	4804^34	4907^35	4942^36	4763F22	4907D33	4942D36	4959
38	89.9	4805^34	4909^35	4944^36	4776F23	4909D33	4944D36	4961
36	89.7	4806^34	4911^35	4945^36	4789F23	4911D34	4945D36	4962
34	89.4	4807^34	4912^35	4947^36	4797^23	4912D34	4947D36	4964
32	89.1	4807^34	4913^35	4948^36	4798^24	4913D35	4948D36	4966
30	88.8	4807^34	4914^35	4949^36	4799^24	4914D35	4949D36	4968
20	87.3	4808^34	4918^35	4954^36	4804^27	4918D36	4954D36	4976
10	85.8	4797^33	4909^35	4947^36	4797^29	4909D35	4947D36	4973
0	84.2	4798^33	4914^35	4953^36	4798D31	4914D35	4953D36	4984
-10	82.7	4791^33	4911^35	4951^36	4791D33	4911D35	4951D36	4988
-20	81.1	4779^33	4903^35	4945^36	4779D33	4903D35	4945D36	4985
-30	79.5	4764^33	4893^35	4936^36	4764D33	4893D35	4936D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4549^30-30-39	4757C39-39-48	4757C39-39-48	4757C39-39-48
46	90.9	4662^31-31-41	4847F40-40-49	4882C41-41-50	4882C41-41-50
44	90.8	4744^33-33-42	4912F41-41-50	4948C42-42-51	4948C42-42-51
42	90.5	4797^33-33-43	4958F42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4804^34-34-43	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	89.9	4805^34-34-43	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4806^34-34-43	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	89.4	4807^34-34-43	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4807^34-34-43	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4807^34-34-43	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4840F40-40-49	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4899F41-41-50	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4939^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4927^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	22	Length	9186	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4549^30	4647^32	4680^32
46	4662^31	4761^33	4794^34
44	4744^33	4846^34	4880^35
42	4797^33	4900^35	4935^36
40	4804^34	4907^35	4942^36
38	4805^34	4909^35	4944^36
36	4806^34	4911^35	4945^36
34	4807^34	4912^35	4947^36
32	4807^34	4913^35	4948^36
30	4807^34	4914^35	4949^36
20	4808^34	4918^35	4954^36
10	4797^33	4909^35	4947^36
0	4798^33	4914^35	4953^36
-10	4791^33	4911^35	4951^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4543^30	4641^31	4674^32
46	4656^31	4755^33	4788^34
44	4738^33	4840^34	4874^35
42	4792^33	4895^35	4930^36
40	4799^33	4902^35	4937^36
38	4801^33	4904^35	4940^36
36	4802^34	4906^35	4941^36
34	4802^34	4907^35	4942^36
32	4803^34	4908^35	4943^36
30	4802^33	4909^35	4945^36
20	4803^33	4913^35	4950^36
10	4713^32	4824^34	4862^35
0	4712^32	4827^34	4866^35
-10	4704^32	4823^34	4863^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4541^20	4647D31	4680D32
46	4650F21	4761D31	4794D34
44	4708F21	4846D32	4880D35
42	4746F22	4900D32	4935D36
40	4763F22	4907D33	4942D36
38	4776F23	4909D33	4944D36
36	4789F23	4911D34	4945D36
34	4797^23	4912D34	4947D36
32	4798^24	4913D35	4948D36
30	4799^24	4914D35	4949D36
20	4804^27	4918D36	4954D36
10	4797^29	4909D35	4947D36
0	4798D31	4914D35	4953D36
-10	4791D33	4911D35	4951D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4536^20	4641D31	4674D32
46	4641F21	4755D31	4786^34
44	4699F21	4840D32	4874D35
42	4737F22	4895D32	4930D36
40	4754F22	4902D33	4937D36
38	4767F23	4904D33	4940D36
36	4781F23	4906D34	4941D36
34	4793^23	4907D34	4942D36
32	4794^24	4908D34	4943D36
30	4795^24	4909D35	4945D36
20	4799^26	4913D35	4950D36
10	4713D29	4824D34	4862D35
0	4712D32	4827D34	4866D35
-10	4704D32	4823D34	4863D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4213F 2	4477F12	4572F16
26	4224F 3	4488F13	4585F16
24	4236F 3	4502F13	4599F16
22	4247F 3	4515F13	4613F17
20	4257F 4	4528F14	4626F17
18	4268F 4	4541F14	4639F17
16	4279F 4	4554F15	4653F18
14	4290F 5	4567F15	4666F18
12	4301F 5	4580F15	4679F19
10	4313F 6	4593F16	4692F19
0	4376F 7	4666F18	4768F21
-10	4437F10	4737F20	4841F23
-20	4502F12	4811F22	4904^26
-30	4566F14	4853^25	4905^28

High QNH **+20** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-690**
Wing A/I ON **-690**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3881F 7	4131F17	4219F20
26	3892F 8	4143F17	4232F20
24	3902F 8	4154F18	4245F21
22	3912F 8	4165F18	4255F21
20	3922F 9	4177F18	4269F21
18	3933F 9	4188F19	4282F22
16	3942F 9	4200F19	4295F22
14	3952F10	4212F19	4309F22
12	3964F10	4225F20	4323F23
10	3974F10	4237F20	4336F23
0	4032F12	4306F22	4407F25
-10	4087F14	4373F24	4478F27
-20	4144F16	4445F26	4556F29
-30	4202F18	4518F28	4607F30

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 22 Length 9186 Shift **0** Clearway 0 Stopway 0 Slope +0.04
Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
V2		**RWY END**		**LT H310**	**6500'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.8	3240^ 6	3395^ 9	3446^10	3231^97	3395D 6	3446D 9	4247
36	89.1	3288^ 6	3448^10	3501^11	3278^97	3448D 6	3501D 9	4331
34	89.4	3335^ 7	3499^11	3552^12	3322^97	3499D 7	3552D10	4409
32	89.7	3379^ 8	3548^11	3602^12	3366^98	3548D 7	3602D10	4486
30	89.9	3424^ 8	3598^12	3652^13	3408^98	3598D 8	3652D11	4567
28	89.9	3473^ 9	3650^13	3706^14	3455^99	3650D 8	3706D11	4654
26	89.9	3520^10	3703^14	3759^15	3502^99	3703D 9	3759D12	4741
24	90.0	3559^10	3744^14	3801^15	3539^99	3744D 9	3801D12	4817
22	90.0	3580^11	3766^15	3824^16	3560^ 0	3766D 9	3824D13	4828
20	90.0	3590^11	3775^15	3833^16	3570^ 0	3775D10	3833D13	4830
18	89.7	3599^11	3783^15	3841^16	3581^ 1	3783D10	3841D13	4832
10	88.5	3636^12	3818^16	3876^17	3622^ 2	3818D12	3876D15	4837
0	86.9	3678^13	3857^16	3916^18	3671^ 4	3857D13	3916D17	4838
-10	85.3	3720^14	3900^17	3958^18	3720D 5	3900D15	3958D19	4833
-20	83.7	3762^14	3942^18	4001^19	3762D 7	3942D17	4001D21	4832
-30	82.0	3802^15	3985^19	4042^20	3802D 9	3985D19	4042D22	4826

High QNH **+90** per .10" Engine A/I ON **-1550**
Low QNH **-130** per .10" Wing A/I ON **-1550**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 22 -10T	+0	+10H	TO-1 - WET RWY Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.1	3332^ 2	3415^ 3	3438^ 4	3332D96	3415D 5	3438D 5	3731
36	92.5	3418^ 3	3479^ 4	3493^ 4	3418D96	3479D 6	3493D 6	3798
34	92.8	3478^ 4	3539^ 5	3470^ 4	3478D97	3539D 6	3470D 7	3769
32	93.1	3534^ 5	3597^ 6	3620^ 6	3532^97	3597D 6	3620D 8	3948
30	93.4	3589^ 6	3656^ 6	3620^ 6	3583^97	3656D 7	3620D 8	3948
28	93.6	3652^ 7	3722^ 7	3743^ 7	3640^98	3722D 7	3743D 9	4102
26	93.8	3715^ 7	3722^ 7	3808^ 8	3697^98	3722D 8	3808D10	4182
24	93.8	3766^ 8	3722^ 7	3860^ 9	3745^99	3722D 8	3860D11	4251
22	93.5	3793^ 8		3886^ 9	3776^99		3886D11	4261
20	93.3	3803^ 8	3872^ 9	3891^ 9	3791^ 0	3872D 9	3891D11	4262
18	93.0	3809^ 8	3877^ 9	3901^ 9	3801^ 0	3877D10	3901D11	4264
10	91.7	3830^ 9	3895^ 9	3923^10	3830D 1	3895D11	3923D12	4269
0	90.1		3913^10	3942^10		3913D11	3942D12	4265
-10	88.4	3858^ 9	3938^10	3968^10	3858D 5	3938D12	3968D12	4266
-20	86.7		3963^10	3993^11		3963D12	3993D13	4265
-30	85.0	3906^10	3983^11	4014^11	3906D 9	3983D12	4014D13	4260

High QNH **+90** per .10" Engine A/I ON **-2440**
Low QNH **-140** per .10" Wing A/I ON **-2440**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 22 -10T	+0	+10H	+20H
38	92.1	3332^ 2- 2- 9	3415^ 3- 3-10	3438^ 4- 4-10	3465^ 4- 4-11
36	92.5	3418^ 3- 3-11	3479^ 4- 4-11	3493^ 4- 4-11	3528^ 5- 5-12
34	92.8	3478^ 4- 4-12	3539^ 5- 5-12	3470^ 4- 4-11	3588^ 6- 6-13
32	93.1	3534^ 5- 5-12	3597^ 6- 6-13	3620^ 6- 6-13	3647^ 6- 6-14
30	93.4	3589^ 6- 6-13	3656^ 6- 6-14	3620^ 6- 6-13	3705^ 7- 7-14
28	93.6	3652^ 7- 7-14	3722^ 7- 7-15	3743^ 7- 7-15	3771^ 8- 8-15
26	93.8	3715^ 7- 7-15	3722^ 7- 7-15	3808^ 8- 8-16	3837^ 9- 9-16
24	93.8	3766^ 8- 8-16	3722^ 7- 7-15	3860^ 9- 9-17	3869^ 9- 9-17
22	93.5	3793^ 8- 8-16	- -	3886^ 9- 9-17	3915^10-10-17
20	93.3	3803^ 8- 8-16	3872^ 9- 9-17	3891^ 9- 9-17	3925^10-10-18
18	93.0	3809^ 8- 8-16	3877^ 9- 9-17	3901^ 9- 9-17	3930^10-10-18
10	91.7	3830^ 9- 9-17	3895^ 9- 9-17	3923^10-10-17	3953^10-10-18
0	90.1	- -	3913^10-10-17	3942^10-10-18	3973^11-11-18
-10	88.4	3858^ 9- 9-17	3938^10-10-18	3968^10-10-18	4000^11-11-18
-20	86.7	- -	3963^10-10-18	3993^11-11-18	4026^11-11-19
-30	85.0	3906^10-10-17	3983^11-11-18	4014^11-11-19	4047^12-12-19

High QNH **+90** per .10" Engine A/I ON **-2440**
Low QNH **-140** per .10" Wing A/I ON **-2440**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5500 Length 6561 Shift **0** Clearway 0 Stopway 0 Slope +1.17
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	3332^ 2	3415^ 3	3438^ 4	3286^ 7	3437^10	3486^11			
36	3418^ 3	3479^ 4	3493^ 4	3337^ 7	3490^11	3541^12			
34	3478^ 4	3539^ 5	3470^ 4	3386^ 8	3542^11	3594^13			
32	3534^ 5	3597^ 6	3620^ 6	3433^ 9	3592^12	3645^13			
30	3589^ 6	3656^ 6	3620^ 6	3479^ 9	3642^13	3695^14			
28	3652^ 7	3722^ 7	3743^ 7	3529^10	3697^14	3751^15			
26	3715^ 7	3722^ 7	3808^ 8	3580^11	3751^15	3807^16			
24	3766^ 8	3722^ 7	3860^ 9	3624^12	3799^15	3854^16			
22	3793^ 8		3886^ 9	3659^12	3830^16	3886^17			
20	3803^ 8	3872^ 9	3891^ 9	3676^13	3846^16	3902^17			
18	3809^ 8	3877^ 9	3901^ 9	3685^13	3855^16	3910^17			
10	3830^ 9	3895^ 9	3923^10	3569^12	3724^15	3772^16			
0		3913^10	3942^10	3720^14	3889^17	3942^18			
-10	3858^ 9	3938^10	3968^10	3784^15	3954^18	4008^20			
	High QNH +90 per .10"			High QNH +80 per .10"			High QNH per .10"		
	Low QNH -140 per .10"			Low QNH -140 per .10"			Low QNH per .10"		
	Engine A/I ON -2440			Engine A/I ON -10			Engine A/I ON		
	Wing A/I ON -2440			Wing A/I ON -10			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	3332D96	3415D 5	3438D 5	3270^98	3437D 7	3486D10			
36	3418D96	3479D 6	3493D 6	3318^98	3490D 7	3541D10			
34	3478D97	3539D 6	3470D 7	3363^98	3542D 8	3594D11			
32	3532^97	3597D 6	3620D 8	3407^99	3592D 8	3645D11			
30	3583^97	3656D 7	3620D 8	3451^99	3642D 9	3695D12			
28	3640^98	3722D 7	3743D 9	3499^ 0	3697D 9	3751D12			
26	3697^98	3722D 8	3808D10	3546^ 0	3751D10	3807D13			
24	3745^99	3722D 8	3860D11	3588^ 0	3799D10	3854D13			
22	3776^99		3886D11	3618^ 1	3830D11	3886D14			
20	3791^ 0	3872D 9	3891D11	3635^ 2	3846D11	3902D15			
18	3801^ 0	3877D10	3901D11	3646^ 2	3855D12	3910D15			
10	3830D 1	3895D11	3923D12	3551^ 4	3724D14	3772D17			
0		3913D11	3942D12	3702^ 5	3889D15	3942D19			
-10	3858D 5	3938D12	3968D12	3774^ 7	3954D17	4008D21			
	High QNH +90 per .10"			High QNH +80 per .10"			High QNH per .10"		
	Low QNH -140 per .10"			Low QNH -140 per .10"			Low QNH per .10"		
	Engine A/I ON -2440			Engine A/I ON -10			Engine A/I ON		
	Wing A/I ON -2440			Wing A/I ON -10			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3290^90	3415^92		2772^96	3062^98			
26		3325^90	3464^93		2779^97	3066^98			
24		3360^90	3506^93		2804^98	3093^99			
22			3537^94		2858^98	3151^99			
20		3428^91	3556^94		2905^98	3205^99			
18		3451^91	3571^94		2934^98	3243^ 0			
16		3473^92	3585^95		2966^98	3278^ 0			
14		3495^92	3599^95		2999^99	3288^ 0			
12		3501^92	3614^95		3032^99	3299^ 0			
10		3514^93	3629^96		3063^99	3311^ 1			
0		3582^94	3703^97		3251^99	3363^ 2			
-10		3659^96	3781^99		3326^ 1	3423^ 4			
-20		3741^98	3845^ 1		3386^ 3	3487^ 6			
-30	3200^91		3892^ 2	2822F98	3447^ 5	3552^ 8			
	High QNH +80 per .10"			High QNH +90 per .10"			High QNH per .10"		
	Low QNH -130 per .10"			Low QNH -160 per .10"			Low QNH per .10"		
	Engine A/I ON -1270			Engine A/I ON -180			Engine A/I ON		
	Wing A/I ON -1270			Wing A/I ON -180			Wing A/I ON		

Elevation 5500 Length 6561 Shift **0** Clearway 0 Stopway 0 Slope +1.17

Rwy Rev. Program Rules FAA **26 Oct 17**

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CEDROS -Z056 24 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		RWY END		**RT H320**	**6500'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.8	3424^10	3637^14	3710^16	3389^94	3631^ 4	3710D 7	4247
36	89.1	3474^10	3690^15	3764^16	3437^95	3682^ 4	3764D 7	4331
34	89.4	3522^11	3741^16	3816^17	3483^95	3731^ 5	3816D 8	4409
32	89.7	3570^12	3791^16	3866^18	3528^95	3779^ 5	3866^ 8	4486
30	89.9	3616^12	3840^17	3917^19	3545F96	3826^ 6	3914^ 9	4567
28	89.9	3664^13	3891^18	3968^19	3417F97	3877^ 6	3966^ 9	4654
26	89.9	3711^14	3940^18	4019^20	3275F98	3928^ 6	4018^10	4741
24	90.0	3749^14	3981^19	4060^21	3186F99	3969^ 7	4060^10	4817
22	90.0	3774^15	4007^19	4087^21	3271F99	3993^ 7	4084^10	4828
20	90.0	3786^15	4021^20	4100^21	3427F99	4006^ 8	4097^11	4830
18	89.7	3797^15	4032^20	4113^21	3557F99	4018^ 8	4110^11	4832
10	88.5	3840^16	4078^21	4160^22	3798^99	4068^ 9	4160D13	4837
0	86.9	3893^17	4136^22	4219^23	3851^ 1	4128^11	4219D14	4838
-10	85.3	3948^18	4196^23	4280^25	3910^ 3	4193^13	4280D16	4833
-20	83.7	4004^19	4255^24	4340^26	3971^ 5	4255D15	4340D19	4832
-30	82.0	4061^20	4316^25	4396^27	4033^ 7	4316D17	4396D21	4826

High QNH **+100** per .10" — Engine A/I ON **-1100**
Low QNH **-140** per .10" — Wing A/I ON **-1100**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.1	3509^11	3717^16	3787^17	3432^95	3680^ 5	3767^ 8	4247
36	92.5	3560^12	3772^17	3844^18	3480^95	3733^ 5	3819^ 8	4331
34	92.8	3610^13	3824^17	3898^19	3527^96	3782^ 6	3870^ 9	4409
32	93.1	3658^14	3875^18	3949^20	3572^96	3830^ 6	3918^ 9	4486
30	93.4	3706^14	3925^19	4001^20	3617^96	3878^ 6	3968^10	4567
28	93.6	3754^15	3980^20	4056^21	3554F97	3929^ 7	4020^10	4654
26	93.8	3803^16	4035^20	4112^22	3386F99	3982^ 7	4073^10	4741
24	93.8	3855^16	4084^21	4163^23	3292F99	4028^ 8	4121^11	4817
22	93.5	3894^17	4124^22	4203^23	3475F99	4061^ 8	4156^12	4828
20	93.3	3915^18	4145^22	4224^24	3686F99	4081^ 9	4176^12	4830
18	93.0	3925^18	4157^22	4235^24	3818^99	4093^ 9	4189^13	4832
10	91.7	3967^19	4202^23	4282^25	3864^ 0	4145^11	4242^14	4837
0	90.1	4018^20	4258^24	4333^26	3921^ 2	4208^13	4306^16	4838
-10	88.4	4073^21	4313^25	4387^27	3982^ 4	4276^15	4371^18	4833
-20	86.7	4128^22	4367^26	4442^28	4046^ 6	4343^17	4439^20	4832
-30	85.0	4183^23	4419^27	4496^29	4111^ 8	4409^19	4496D22	4826

High QNH **+100** per .10" — Engine A/I ON **-1480**
Low QNH **-140** per .10" — Wing A/I ON **-1480**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
38	92.1	3509^11-11-23	3717^16-16-26	3787^17-17-28	3852^19-19-29
36	92.5	3560^12-12-24	3772^17-17-27	3844^18-18-28	3910^19-19-30
34	92.8	3610^13-13-25	3824^17-17-28	3898^19-19-29	3966^20-20-30
32	93.1	3658^14-14-25	3875^18-18-29	3949^20-20-30	4020^21-21-31
30	93.4	3706^14-14-26	3925^19-19-30	4001^20-20-31	4074^22-22-32
28	93.6	3754^15-15-27	3980^20-20-31	4056^21-21-32	4132^22-22-33
26	93.8	3803^16-16-28	4035^20-20-32	4112^22-22-33	4190^23-23-34
24	93.8	3855^16-16-29	4084^21-21-32	4163^23-23-34	4242^24-24-35
22	93.5	3894^17-17-29	4124^22-22-33	4203^23-23-34	4282^25-25-35
20	93.3	3915^18-18-30	4145^22-22-33	4224^24-24-34	4302^25-25-36
18	93.0	3925^18-18-30	4157^22-22-33	4235^24-24-35	4312^25-25-36
10	91.7	3967^19-19-30	4202^23-23-34	4282^25-25-35	4356^26-26-36
0	90.1	4018^20-20-31	4258^24-24-35	4333^26-26-36	4408^27-27-37
-10	88.4	4073^21-21-32	4313^25-25-36	4387^27-27-37	4462^28-28-38
-20	86.7	4128^22-22-33	4367^26-26-37	4442^28-28-38	4519^29-29-39
-30	85.0	4183^23-23-34	4419^27-27-37	4496^29-29-39	4574^30-30-40

High QNH **+100** per .10" — Engine A/I ON **-1480**
Low QNH **-140** per .10" — Wing A/I ON **-1480**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5500 Length 6561 Shift **0** Clearway 0 Stopway 0 Slope -1.17
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	3509^11	3717^16	3787^17	3500^11	3708^16	3779^17			
36	3560^12	3772^17	3844^18	3552^12	3763^16	3835^18			
34	3610^13	3824^17	3898^19	3601^13	3816^17	3889^19			
32	3658^14	3875^18	3949^20	3648^13	3866^18	3941^19			
30	3706^14	3925^19	4001^20	3694^14	3917^19	3993^20			
28	3754^15	3980^20	4056^21	3743^15	3971^19	4047^21			
26	3803^16	4035^20	4112^22	3791^15	4026^20	4103^22			
24	3855^16	4084^21	4163^23	3841^16	4076^21	4154^22			
22	3894^17	4124^22	4203^23	3887^17	4115^22	4195^23			
20	3915^18	4145^22	4224^24	3907^17	4137^22	4216^23			
18	3925^18	4157^22	4235^24	3917^18	4149^22	4228^24			
10	3967^19	4202^23	4282^25	3838^17	4054^22	4123^23			
0	4018^20	4258^24	4333^26	3980^19	4216^24	4289^25			
-10	4073^21	4313^25	4387^27	4056^21	4293^25	4366^26			
	High QNH **+100** per .10"			High QNH **+90** per .10"			High QNH per .10"		
	Low QNH **-140** per .10"			Low QNH **-150** per .10"			Low QNH per .10"		
	Engine A/I ON **-1480**			Engine A/I ON **+0**			Engine A/I ON		
	Wing A/I ON **-1480**			Wing A/I ON **+0**			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	3432^95	3680^ 5	3767^ 8	3427^95	3674^ 5	3759^ 8			
36	3480^95	3733^ 5	3819^ 8	3475^95	3726^ 5	3812^ 8			
34	3527^96	3782^ 6	3870^ 9	3522^96	3776^ 5	3863^ 9			
32	3572^96	3830^ 6	3918^ 9	3566^96	3824^ 6	3912^ 9			
30	3617^96	3878^ 6	3968^10	3612^96	3871^ 6	3961^10			
28	3554F97	3929^ 7	4020^10	3525F97	3924^ 7	4014^10			
26	3386F99	3982^ 7	4073^10	3358F99	3975^ 7	4067^10			
24	3292F99	4028^ 8	4121^11	3269F99	4022^ 8	4115^11			
22	3475F99	4061^ 8	4156^12	3449F99	4056^ 8	4150^12			
20	3686F99	4081^ 9	4176^12	3660F99	4075^ 9	4170^12			
18	3818^99	4093^ 9	4189^13	3799F99	4088^ 9	4183^12			
10	3864^ 0	4145^11	4242^14	3730^ 1	4008^11	4097^14			
0	3921^ 2	4208^13	4306^16	3884^ 2	4171^13	4266^16			
-10	3982^ 4	4276^15	4371^18	3966^ 4	4259^15	4353^18			
	High QNH **+110** per .10"			High QNH **+100** per .10"			High QNH per .10"		
	Low QNH **-140** per .10"			Low QNH **-150** per .10"			Low QNH per .10"		
	Engine A/I ON **-1370**			Engine A/I ON **-10**			Engine A/I ON		
	Wing A/I ON **-1370**			Wing A/I ON **-10**			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28						2788^94			
26						2817^95			
24						2858^95			
22					2670^93	2909^95			
20					2699^93	2951^96			
18					2718^94	2980^96			
16					2744^94	3012^96			
14					2772^94	3046^96			
12					2801^94	3078^96			
10					2829^94	3113^96			
0					2984^95	3281^97			
-10					3162^96	3490^98			
-20					3303^97	3567^ 0			
-30				2697^92	3514^99	3688^ 2			
	High QNH per .10"			High QNH **+90** per .10"			High QNH per .10"		
	Low QNH per .10"			Low QNH **-160** per .10"			Low QNH per .10"		
	Engine A/I ON			Engine A/I ON **-120**			Engine A/I ON		
	Wing A/I ON			Wing A/I ON **-120**			Wing A/I ON		

Elevation 5500 Length 6561 Shift **0** Clearway 0 Stopway 0 Slope -1.17

Rwy Rev. Program Rules FAA **26 Oct 17**

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CHIHUAHUA -CUU 18L *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		**D1.9 CUU**	***D0.6 ICUU**	**RT H020**	**5700'**	

*SOUTH OF ICUU

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	3939F20	4156F24	4233F25	3880F 9	4138F18	4227F21	4349
38	88.8	3999F21	4217F25	4295F26	3935F10	4195F18	4287F21	4435
36	89.1	4059F22	4279F26	4358F27	3990F10	4254F19	4347F22	4520
34	89.4	4116F22	4339F27	4419F28	4044F11	4311F20	4405F22	4598
32	89.7	4169F23	4397F27	4477F29	4095F11	4366F20	4460F23	4676
30	90.0	4224F24	4455F28	4534F29	4147F12	4421F21	4516F23	4753
28	89.8	4267F24	4498F29	4580F30	4185F12	4463F21	4558F24	4831
26	89.6	4302F25	4535F29	4618F31	4220F13	4500F22	4595F24	4910
24	89.4	4325F25	4560F30	4643F31	4243F13	4525F22	4621F25	4921
22	89.2	4338F25	4573F30	4657F31	4257F13	4538F22	4636F25	4924
20	89.1	4350F26	4587F30	4671F31	4270F14	4552F23	4652F25	4926
10	87.6	4406F27	4648F31	4734F33	4334F15	4623F24	4725F27	4933
0	86.0	4456F28	4706F32	4795F34	4395F17	4691F26	4795D29	4925
-10	84.4	4514F29	4771F33	4857^35	4461F19	4766F28	4857D31	4932
-20	82.8	4573F30	4815^34	4851^35	4528F21	4815^30	4851D34	4933
-30	81.1	4631F31	4804^34	4842^34	4597F23	4804D33	4842D34	4931

High QNH **+50** per .10" Engine A/I ON **-810**
Low QNH **-150** per .10" Wing A/I ON **-810**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.8	4026F22	4249F26	4298^27	3946F11	4213F19	4296^22	4349
38	92.3	4086F22	4311F27	4383^28	4002F11	4272F20	4369F23	4435
36	92.7	4147F23	4374F27	4454F29	4058F12	4331F20	4428F23	4520
34	93.0	4205F24	4435F28	4516F30	4112F12	4388F21	4486F24	4598
32	93.2	4261F25	4493F29	4575F30	4162F12	4443F22	4542F24	4676
30	93.4	4318F26	4550F30	4633F31	4214F13	4498F22	4596F25	4753
28	93.3	4366F26	4601F31	4685F32	4258F14	4543F23	4645F25	4831
26	93.3	4412F27	4652F31	4737F33	4302F14	4591F23	4693F26	4910
24	93.1	4443F27	4684F32	4769F33	4331F15	4623F24	4726F27	4921
22	92.7	4467F28	4711F32	4797F34	4353F15	4648F24	4752F27	4924
20	92.4	4478F28	4723F32	4810F34	4366F15	4663F25	4768F28	4926
10	90.8	4536F29	4788F33	4864^35	4433F17	4738F26	4845F29	4933
0	89.2	4590F30	4820^34	4866^35	4494F19	4810F28	4866D32	4925
-10	87.6	4651F31	4836^34	4873^35	4566F21	4836D31	4873D34	4932
-20	85.9	4713F32	4832^34	4867^35	4640F23	4832D33	4867D35	4933
-30	84.2	4710^32	4820^34	4857^35	4705^25	4820D34	4857D35	4931

High QNH **+0** per .10" Engine A/I ON **-1770**
Low QNH **-160** per .10" Wing A/I ON **-1770**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.8	4026F22-22-31	4249F26-26-35	4298^27-27-36	4326^27-27-36
38	92.3	4086F22-22-32	4311F27-27-36	4383^28-28-37	4412^28-28-37
36	92.7	4147F23-23-33	4374F27-27-37	4454F29-29-38	4495^30-30-39
34	93.0	4205F24-24-34	4435F28-28-38	4516F30-30-39	4574^31-31-40
32	93.2	4261F25-25-35	4493F29-29-39	4575F30-30-40	4652^32-32-41
30	93.4	4318F26-26-36	4550F30-30-39	4633F31-31-41	4719F33-33-42
28	93.3	4366F26-26-37	4601F31-31-40	4685F32-32-41	4771F33-33-43
26	93.3	4412F27-27-37	4652F31-31-41	4737F33-33-42	4824F34-34-43
24	93.1	4443F27-27-38	4684F32-32-41	4769F33-33-43	4857F35-35-44
22	92.7	4467F28-28-38	4711F32-32-42	4797F34-34-43	4883F35-35-44
20	92.4	4478F28-28-38	4723F32-32-42	4810F34-34-43	4892^35-35-44
10	90.8	4536F29-29-39	4788F33-33-43	4864^35-35-44	4910^35-35-45
0	89.2	4590F30-30-40	4820^34-34-43	4866^35-35-44	4908^35-35-45
-10	87.6	4651F31-31-41	4836^34-34-43	4873^35-35-44	4919F42-42-51
-20	85.9	4713F32-32-42	4832^34-34-43	4898F41-41-50	4952C42-42-51
-30	84.2	4710^32-32-42	4874F41-41-50	4949C42-42-51	4949C42-42-51

High QNH **+0** per .10" Engine A/I ON **-1770**
Low QNH **-160** per .10" Wing A/I ON **-1770**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	4465	Length	8530	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.69
Rwy Rev.		Program						Rules	FAA		**04 May 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4026F22	4249F26	4298^27	4016F21	4237F26	4293^27			
38	4086F22	4311F27	4383^28	4075F22	4299F26	4377^28			
36	4147F23	4374F27	4454F29	4136F23	4362F27	4442F29			
34	4205F24	4435F28	4516F30	4195F24	4423F28	4504F30			
32	4261F25	4493F29	4575F30	4251F25	4482F29	4564F30			
30	4318F26	4550F30	4633F31	4308F25	4539F30	4622F31			
28	4366F26	4601F31	4685F32	4356F26	4590F30	4674F32			
26	4412F27	4652F31	4737F33	4402F27	4641F31	4725F33			
24	4443F27	4684F32	4769F33	4433F27	4673F32	4758F33			
22	4467F28	4711F32	4797F34	4457F28	4699F32	4785F33			
20	4478F28	4723F32	4810F34	4468F28	4712F32	4798F34			
10	4536F29	4788F33	4864^35	4450F28	4618^31	4651^32			
0	4590F30	4820^34	4866^35	4543F30	4740^33	4784^34			
-10	4651F31	4836^34	4873^35	4643F31	4801^34	4835^34			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+10** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1770** Wing A/I ON **-1770**			Engine A/I ON **-80** Wing A/I ON **-80**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3946F11	4213F19	4296^22	3938F10	4204F19	4291^22			
38	4002F11	4272F20	4369F23	3994F11	4263F20	4358F23			
36	4058F12	4331F20	4428F23	4050F11	4322F20	4418F23			
34	4112F12	4388F21	4486F24	4104F12	4379F21	4476F24			
32	4162F12	4443F22	4542F24	4154F12	4434F21	4532F24			
30	4214F13	4498F22	4596F25	4206F13	4490F22	4587F25			
28	4258F14	4543F23	4645F25	4250F13	4535F22	4636F25			
26	4302F14	4591F23	4693F26	4294F14	4582F23	4684F26			
24	4331F15	4623F24	4726F27	4323F14	4614F24	4717F26			
22	4353F15	4648F24	4752F27	4346F15	4639F24	4743F27			
20	4366F15	4663F25	4768F28	4359F15	4654F25	4758F27			
10	4433F17	4738F26	4845F29	4350F18	4617^27	4651D30			
0	4494F19	4810F28	4866D32	4454F19	4737^29	4784D32			
-10	4566F21	4836D31	4873D34	4558F21	4801D31	4835D34			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+20** per .10" Low QNH **-180** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1280** Wing A/I ON **-1280**			Engine A/I ON **-70** Wing A/I ON **-70**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3104F97	3957F 3	4037F 6	3240F99	3587F 7	3790F 8			
26	3104F97	3999F 3	4079F 6	3292F 0	3632F 7	3839F 9			
24	3165F97	4025F 4	4107F 7	3326F 0	3665F 7	3873F 9			
22	3289F97	4043F 4	4126F 7	3359F 0	3709F 8				
20	3387F97	4055F 5	4138F 8	3374F 1	3737F 8				
18	3506F97	4067F 5	4149F 8	3389F 1	3767F 8				
16	3595F97	4079F 5	4162F 8	3405F 1	3791F 8	3971F10			
14	3699F97	4091F 6	4174F 9	3420F 1	3819F 9	3991F11			
12	3797F97	4103F 6	4187F 9	3437F 2	3842F 9	3991F11			
10	3878F97	4114F 6	4199F10	3452F 2	3862F 9	3995F11			
0	3924F99	4168F 8	4259F12	3532F 3	3968F10	3995F11			
-10	3978F 1	4233F10	4327F14	3588F 5	3993F11				
-20	4034F 3	4300F13	4396F16	3653F 7	4007F11				
-30	4089F 5	4366F15	4466F18	3740F 8					
	High QNH **+50** per .10" Low QNH **-120** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-960** Wing A/I ON **-960**			Engine A/I ON **-1380** Wing A/I ON **-1380**			Engine A/I ON Wing A/I ON		

Elevation 4465 Length 8530 Shift **0** Clearway 0 Stopway 0 Slope +0.69

Rwy Rev. Program Rules FAA **04 May 18**

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CHIHUAHUA -CUU 18R *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		**D1.9 CUU**	***D0.6 ICUU**	**RT H017**	**5465'**	

*SOUTH OF ICUU - VFR ONLY MAX WEIGHT 33069LBS

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	3807F17	4024F22	4098F23	3750F 6	4007F15	4096F18	4349
38	88.8	3865F18	4084F22	4158F24	3804F 7	4064F16	4152F18	4435
36	89.1	3922F19	4143F23	4219F25	3858F 7	4120F16	4211F19	4520
34	89.4	3977F20	4201F24	4279F25	3909F 8	4175F17	4267F19	4598
32	89.7	4029F20	4258F25	4335F26	3960F 8	4229F17	4321F20	4676
30	90.0	4081F21	4314F25	4392F27	4010F 8	4282F18	4375F21	4753
28	89.8	4122F22	4357F26	4436F28	4048F 9	4323F18	4417F21	4831
26	89.6	4156F22	4393F27	4471F28	4082F 9	4359F18	4453F21	4910
24	89.4	4179F23	4417F27	4496F28	4105F10	4383F19	4478F22	4921
22	89.2	4191F23	4429F27	4509F29	4117F10	4397F19	4493F22	4924
20	89.1	4203F23	4440F27	4522F29	4130F10	4411F20	4507F23	4926
10	87.6	4258F24	4499F28	4583F30	4191F12	4478F21	4575F24	4933
0	86.0	4310F25	4554F29	4641F31	4248F14	4540F23	4641D26	4925
-10	84.4	4367F26	4616F30	4705F32	4314F16	4612F25	4705D28	4932
-20	82.8	4422F27	4679F32	4770F33	4382F18	4679D27	4770D30	4933
-30	81.1	4477F28	4742F33	4836F34	4447F20	4742D29	4836D32	4931

High QNH **+50** per .10" Engine A/I ON **-800**
Low QNH **-150** per .10" Wing A/I ON **-800**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.8	3894F19	4110F23	4187F25	3813F 7	4079F16	4170F19	4349
38	92.3	3952F20	4170F24	4248F25	3867F 8	4134F17	4228F20	4435
36	92.7	4010F21	4231F25	4310F26	3921F 8	4192F17	4286F20	4520
34	93.0	4066F21	4290F26	4369F27	3973F 9	4247F18	4343F21	4598
32	93.2	4118F22	4347F26	4427F28	4023F 9	4300F18	4397F21	4676
30	93.4	4172F23	4404F27	4484F29	4073F10	4354F19	4451F22	4753
28	93.3	4218F24	4451F28	4532F29	4115F10	4399F20	4497F22	4831
26	93.3	4265F24	4500F29	4582F30	4157F11	4444F20	4542F23	4910
24	93.1	4294F25	4531F29	4614F30	4185F11	4474F21	4574F24	4921
22	92.7	4318F25	4556F29	4639F31	4206F12	4498F21	4599F24	4924
20	92.4	4330F25	4568F30	4652F31	4218F12	4510F22	4613F24	4926
10	90.8	4387F26	4629F31	4716F32	4282F14	4582F23	4688F26	4933
0	89.2	4436F27	4687F32	4776F33	4345F16	4652F25	4761F28	4925
-10	87.6	4494F28	4752F33	4844F34	4414F18	4729F27	4841F30	4932
-20	85.9	4553F29	4819F34	4867^35	4482F20	4810F29	4867D33	4933
-30	84.2	4610F30	4820^34	4857^35	4553F22	4820D32	4857D35	4931

High QNH **+50** per .10" Engine A/I ON **-860**
Low QNH **-150** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.8	3894F19-19-29	4110F23-23-33	4187F25-25-34	4266F26-26-35
38	92.3	3952F20-20-30	4170F24-24-34	4248F25-25-35	4328F27-27-36
36	92.7	4010F21-21-31	4231F25-25-35	4310F26-26-36	4390F28-28-37
34	93.0	4066F21-21-32	4290F26-26-35	4369F27-27-37	4451F29-29-38
32	93.2	4118F22-22-33	4347F26-26-36	4427F28-28-38	4509F29-29-39
30	93.4	4172F23-23-34	4404F27-27-37	4484F29-29-38	4566F30-30-40
28	93.3	4218F24-24-34	4451F28-28-38	4532F29-29-39	4617F31-31-40
26	93.3	4265F24-24-35	4500F29-29-39	4582F30-30-40	4667F31-31-41
24	93.1	4294F25-25-36	4531F29-29-39	4614F30-30-40	4700F32-32-42
22	92.7	4318F25-25-36	4556F29-29-39	4639F31-31-41	4726F32-32-42
20	92.4	4330F25-25-36	4568F30-30-40	4652F31-31-41	4739F33-33-42
10	90.8	4387F26-26-37	4629F31-31-41	4716F32-32-42	4805F34-34-43
0	89.2	4436F27-27-38	4687F32-32-41	4776F33-33-43	4868F35-35-44
-10	87.6	4494F28-28-39	4752F33-33-42	4844F34-34-44	4907^35-35-45
-20	85.9	4553F29-29-39	4819F34-34-43	4867^35-35-44	4902^35-35-44
-30	84.2	4610F30-30-40	4820^34-34-43	4857^35-35-44	4895F41-41-50

High QNH **+50** per .10" Engine A/I ON **-860**
Low QNH **-150** per .10" Wing A/I ON **-860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4465 Length 7940 Shift **0** Clearway 0 Stopway 0 Slope +0.71
Rwy Rev. Program Rules FAA **30 Oct 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3894F19	4110F23	4187F25	3884F19	4099F23	4176F24			
38	3952F20	4170F24	4248F25	3942F20	4159F24	4237F25			
36	4010F21	4231F25	4310F26	4000F20	4221F25	4299F26			
34	4066F21	4290F26	4369F27	4055F21	4280F25	4359F27			
32	4118F22	4347F26	4427F28	4108F22	4337F26	4416F28			
30	4172F23	4404F27	4484F29	4162F23	4394F27	4474F28			
28	4218F24	4451F28	4532F29	4209F23	4442F28	4522F29			
26	4265F24	4500F29	4582F30	4255F24	4490F28	4572F30			
24	4294F25	4531F29	4614F30	4284F25	4521F29	4604F30			
22	4318F25	4556F29	4639F31	4308F25	4545F29	4629F31			
20	4330F25	4568F30	4652F31	4320F25	4558F29	4642F31			
10	4387F26	4629F31	4716F32	4299F25	4543F30	4629F31			
0	4436F27	4687F32	4776F33	4391F27	4640F31	4729F33			
-10	4494F28	4752F33	4844F34	4486F28	4744F33	4835^34			
	High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-860** Wing A/I ON **-860**			Engine A/I ON **-10** Wing A/I ON **-10**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3813F 7	4079F16	4170F19	3805F 7	4070F16	4162F19			
38	3867F 8	4134F17	4228F20	3859F 8	4125F17	4219F20			
36	3921F 8	4192F17	4286F20	3913F 8	4183F17	4277F20			
34	3973F 9	4247F18	4343F21	3965F 9	4238F18	4334F21			
32	4023F 9	4300F18	4397F21	4016F 9	4292F18	4388F21			
30	4073F10	4354F19	4451F22	4066F10	4346F19	4443F22			
28	4115F10	4399F20	4497F22	4108F10	4391F19	4489F22			
26	4157F11	4444F20	4542F23	4150F11	4437F20	4534F23			
24	4185F11	4474F21	4574F24	4178F11	4467F20	4565F23			
22	4206F12	4498F21	4599F24	4199F12	4490F21	4590F24			
20	4218F12	4510F22	4613F24	4211F12	4502F21	4605F24			
10	4282F14	4582F23	4688F26	4203F14	4505F24	4609F26			
0	4345F16	4652F25	4761F28	4305F16	4610F25	4719F28			
-10	4414F18	4729F27	4841F30	4406F18	4722F27	4833^30			
	High QNH **+60** per .10" Low QNH **-150** per .10"			High QNH **+60** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-770** Wing A/I ON **-770**			Engine A/I ON **-10** Wing A/I ON **-10**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3455F91	3994F98	4093F 1	2955F97	3344F 5	3561F 6			
26	3458F91	4041F99	4141F 2	3001F98	3398F 5	3600F 7			
24	3476F92	4071F99	4173F 2	3032F98	3440F 5	3634F 7			
22	3518F92	4092F 0	4183^ 3	3061F98	3485F 6	3678F 8			
20	3550F92	4105F 0	4186^ 3	3074F99	3504F 6	3700F 8			
18	3582F92	4119F 0	4189^ 3	3089F99	3515F 6	3728F 8			
16	3614F93	4133F 1	4191^ 4	3105F99	3547F 7	3757F 8			
14	3646F93	4147F 1	4194^ 4	3117F 0	3567F 7	3788F 8			
12	3678F93	4150^ 1	4196^ 5	3134F 0	3586F 7	3819F 9			
10	3710F93	4153^ 2	4198^ 5	3149F 0	3613F 7	3840F 9			
0	3876F94	4150^ 4	4198^ 7	3226F 1	3747F 8	3950F10			
-10	3903F96	4157^ 6	4207^10	3311F 3	3879F 9				
-20	4017^98	4161^ 8	4209D12	3408F 4	3988F11				
-30	4011^ 0	4159D11	4199D14	3516F 6					
	High QNH **+40** per .10" Low QNH **-130** per .10"			High QNH **+60** per .10" Low QNH **-260** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2030** Wing A/I ON **-2030**			Engine A/I ON **-80** Wing A/I ON **-80**			Engine A/I ON Wing A/I ON		

Elevation 4465 Length 7940 Shift **0** Clearway 0 Stopway 0 Slope +0.71

Rwy Rev. Program Rules FAA **30 Oct 18**

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
		5465'		**DT H003**	**5465'**	

VFR ONLY MAX WEIGHT 33069LBS

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
40	88.5	3967F20	4201F25	4284F26
38	88.8	4026F21	4262F26	4346F27
36	89.1	4085F22	4324F27	4408F28
34	89.4	4141F23	4383F27	4468F29
32	89.7	4196F24	4440F28	4524F30
30	90.0	4250F24	4495F29	4582F30
28	89.8	4294F25	4540F29	4628F31
26	89.6	4326F25	4577F30	4666F31
24	89.4	4350F26	4603F30	4692F32
22	89.2	4364F26	4617F31	4706F32
20	89.1	4378F26	4631F31	4721F32
10	87.6	4436F27	4696F32	4789F33
0	86.0	4490F28	4759F33	4854F35
-10	84.4	4552F29	4829F34	4874^35
-20	82.8	4616F30	4833^34	4868^35
-30	81.1	4679F32	4822^34	4859^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3876F 5	4143F14	4237F17	4349
3931F 5	4201F14	4296F17	4435
3987F 6	4259F15	4355F18	4520
4040F 6	4315F15	4412F18	4598
4091F 6	4369F16	4467F19	4676
4143F 7	4423F16	4522F20	4753
4182F 7	4465F17	4563F20	4831
4217F 8	4501F17	4600F20	4910
4241F 8	4527F18	4626F21	4921
4254F 8	4542F18	4642F21	4924
4267F 9	4556F18	4657F22	4926
4329F11	4627F20	4732F23	4933
4391F12	4697F22	4805F25	4925
4459F14	4774F24	4871^27	4932
4530F16	4829^26	4868^30	4933
4599F18	4822D29	4859D32	4931

High QNH **+50** per .10" — Engine A/I ON **-840**
Low QNH **-150** per .10" — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
40	91.8	4057F22	4282^26	4311^27
38	92.3	4116F23	4358F27	4396^28
36	92.7	4176F24	4420F28	4480^29
34	93.0	4234F25	4480F29	4559^30
32	93.2	4289F25	4536F30	4625F31
30	93.4	4345F26	4595F31	4684F32
28	93.3	4393F27	4645F31	4735F33
26	93.3	4439F27	4696F32	4787F34
24	93.1	4470F28	4729F32	4820F34
22	92.7	4496F28	4757F33	4849F34
20	92.4	4508F29	4770F33	4863F35
10	90.8	4570F30	4839F34	4900^35
0	89.2	4628F31	4857^35	4890^35
-10	87.6	4693F32	4854^35	4888^35
-20	85.9	4741^33	4846^34	4882^35
-30	84.2	4726^32	4835^34	4872^35

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3935F 6	4212F15	4306^18	4349
3990F 6	4270F16	4368F19	4435
4045F 7	4328F16	4427F19	4520
4099F 7	4384F17	4484F20	4598
4150F 8	4438F17	4539F20	4676
4202F 8	4492F18	4593F21	4753
4244F 9	4538F18	4640F21	4831
4287F 9	4582F19	4687F22	4910
4315F 9	4613F19	4719F22	4921
4334F10	4637F20	4745F23	4924
4348F10	4652F20	4760F23	4926
4415F12	4728F22	4839F25	4933
4480F14	4803F24	4885^27	4925
4553F16	4849^26	4887^30	4932
4627F18	4846^29	4882D32	4933
4703F20	4835D31	4872D35	4931

High QNH **+50** per .10" — Engine A/I ON **-2140**
Low QNH **-160** per .10" — Wing A/I ON **-2140**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
40	91.8	4057F22-22-32	4282^26-26-35	4311^27-27-36	4340^27-27-36
38	92.3	4116F23-23-33	4358F27-27-36	4396^28-28-37	4425^29-29-37
36	92.7	4176F24-24-34	4420F28-28-37	4480^29-29-38	4509^30-30-39
34	93.0	4234F25-25-35	4480F29-29-38	4559^30-30-39	4588^31-31-40
32	93.2	4289F25-25-35	4536F30-30-39	4625F31-31-40	4666^32-32-41
30	93.4	4345F26-26-36	4595F31-31-40	4684F32-32-41	4751^33-33-42
28	93.3	4393F27-27-37	4645F31-31-41	4735F33-33-42	4826F34-34-43
26	93.3	4439F27-27-38	4696F32-32-41	4787F34-34-43	4878F35-35-44
24	93.1	4470F28-28-38	4729F32-32-42	4820F34-34-43	4912F36-36-45
22	92.7	4496F28-28-39	4757F33-33-42	4849F34-34-44	4924C36-36-45
20	92.4	4508F29-29-39	4770F33-33-43	4863F35-35-44	4926C36-36-45
10	90.8	4570F30-30-40	4839F34-34-44	4900^35-35-44	4932^36-36-45
0	89.2	4628F31-31-40	4857^35-35-44	4890^35-35-44	4923^36-36-45
-10	87.6	4693F32-32-41	4854^35-35-44	4888^35-35-44	4952C42-42-51
-20	85.9	4741^33-33-42	4864F41-41-50	4952C42-42-51	4952C42-42-51
-30	84.2	4726^32-32-42	4931F42-42-51	4949C42-42-51	4949C42-42-51

High QNH **+50** per .10" — Engine A/I ON **-2140**
Low QNH **-160** per .10" — Wing A/I ON **-2140**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	4465	Length	7940	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.71
Rwy Rev.		Program						Rules	FAA		**30 Oct 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4057F22	4282^26	4311^27	4046F22	4278^26	4306^27			
38	4116F23	4358F27	4396^28	4106F23	4346F27	4392^28			
36	4176F24	4420F28	4480^29	4165F24	4409F28	4475^29			
34	4234F25	4480F29	4559^30	4223F24	4469F29	4554F30			
32	4289F25	4536F30	4625F31	4279F25	4525F30	4613F31			
30	4345F26	4595F31	4684F32	4334F26	4584F30	4672F32			
28	4393F27	4645F31	4735F33	4383F27	4634F31	4724F33			
26	4439F27	4696F32	4787F34	4431F27	4685F32	4776F33			
24	4470F28	4729F32	4820F34	4460F28	4718F32	4809F34			
22	4496F28	4757F33	4849F34	4485F28	4746F33	4837F34			
20	4508F29	4770F33	4863F35	4497F28	4759F33	4851F35			
10	4570F30	4839F34	4900^35	4487F29	4633^31	4664^32			
0	4628F31	4857^35	4890^35	4583F30	4781^34	4815^34			
-10	4693F32	4854^35	4888^35	4686F32	4816^34	4849^35			
	High QNH +50 per .10" Low QNH -160 per .10"			High QNH +50 per .10" Low QNH -190 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -2140 Wing A/I ON -2140			Engine A/I ON -80 Wing A/I ON -80			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3935F 6	4212F15	4306^18	3927F 6	4203F15	4300F18			
38	3990F 6	4270F16	4368F19	3983F 6	4261F16	4359F19			
36	4045F 7	4328F16	4427F19	4038F 7	4319F16	4418F19			
34	4099F 7	4384F17	4484F20	4092F 7	4375F17	4476F20			
32	4150F 8	4438F17	4539F20	4144F 7	4430F17	4531F20			
30	4202F 8	4492F18	4593F21	4196F 8	4484F18	4585F21			
28	4244F 9	4538F18	4640F21	4238F 8	4530F18	4632F21			
26	4287F 9	4582F19	4687F22	4281F 9	4574F19	4679F22			
24	4315F 9	4613F19	4719F22	4309F 9	4605F19	4711F22			
22	4334F10	4637F20	4745F23	4328F10	4630F20	4736F23			
20	4348F10	4652F20	4760F23	4341F10	4644F20	4752F23			
10	4415F12	4728F22	4839F25	4332F12	4627^22	4662^26			
0	4480F14	4803F24	4885^27	4439F14	4760F24	4812^27			
-10	4553F16	4849^26	4887^30	4545F16	4811^26	4849D30			
	High QNH +60 per .10" Low QNH -160 per .10"			High QNH +70 per .10" Low QNH -190 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -1100 Wing A/I ON -1100			Engine A/I ON -80 Wing A/I ON -80			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3733F96	4011F99	3064F93	3503F 1	3640F 4			
26		3746F97	4054F99	3111F94	3551F 1	3692F 4			
24		3792F97	4080F99	3142F94	3584F 2	3729F 4			
22		3932F97	4099F 0	3169F94	3609F 2	3761F 5			
20		4022F97	4113F 0	3184F95	3626F 3	3782F 5			
18		4035F97	4125F 0	3198F95	3643F 3	3806F 5			
16		4048F98	4138F 1	3215F95	3659F 3	3825F 6			
14		4060F98	4152F 1	3233F95	3678F 3	3842F 6			
12		4073F98	4164F 2	3248F96	3696F 4	3857F 6			
10		4085F99	4178F 2	3267F96	3715F 4	3874F 6			
0		4144F 1	4237F 4	3356F97	3816F 5	3953F 8			
-10		4213F 3	4305F 6	3451F99	3903F 7	4032F10			
-20		4278F 5	4373F 8	3559F 0	3982F 9	4105F11			
-30	3247F 0	4343F 7	4444F10	3626F 2	4064F11	4192^13			
	High QNH +50 per .10" Low QNH -640 per .10"			High QNH +60 per .10" Low QNH -140 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -980 Wing A/I ON -980			Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON Wing A/I ON		

Elevation 4465 Length 7940 Shift **0** Clearway 0 Stopway 0 Slope -0.71

Rwy Rev. Program Rules FAA **30 Oct 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		5465'		**DT H003**	**5465'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	88.5	4104F23	4273^26	4302^27	4006F 8	4268^17	4300^20	4349
38	88.8	4164F24	4358^27	4387^28	4063F 8	4340F17	4384^21	4435
36	89.1	4225F25	4441^29	4470^29	4119F 9	4399F18	4467^21	4520
34	89.4	4284F25	4519^30	4549^30	4174F 9	4457F19	4544^22	4598
32	89.7	4340F26	4588F31	4626^31	4227F10	4513F19	4611F22	4676
30	90.0	4397F27	4648F31	4711^33	4281F10	4568F20	4668F22	4753
28	89.8	4441F28	4694F32	4784F34	4321F11	4610F20	4713F23	4831
26	89.6	4475F28	4732F33	4822F34	4357F11	4648F20	4751F23	4910
24	89.4	4500F28	4758F33	4849F35	4382F11	4674F21	4778F24	4921
22	89.2	4513F29	4773F33	4864F35	4395F12	4690F21	4794F24	4924
20	89.1	4526F29	4788F33	4878F35	4409F12	4706F22	4810F25	4926
10	87.6	4588F30	4853^35	4886^35	4476F14	4781F23	4881^26	4933
0	86.0	4647F31	4842^34	4876^35	4540F16	4837^25	4874^29	4925
-10	84.4	4712F32	4839^34	4874^35	4610F18	4837^28	4874D31	4932
-20	82.8	4725^32	4832^34	4868^35	4684F20	4832D30	4868D34	4933
-30	81.1	4711^32	4821^34	4859^35	4705^22	4821D33	4859D35	4931

High QNH **+50** per .10" — Engine A/I ON **-2410**
Low QNH **-170** per .10" — Wing A/I ON **-2410**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	91.8	4197^25	4283^26	4311^27	4069F 9	4279^19	4311D22	4349
38	92.3	4261F26	4368^28	4396^28	4126F 9	4363^19	4395^22	4435
36	92.7	4323F27	4451^29	4480^29	4183F10	4445^19	4478^23	4520
34	93.0	4382F27	4530^30	4558^30	4238F10	4523^20	4555^23	4598
32	93.2	4438F28	4607^31	4636^32	4291F11	4585F20	4632^24	4676
30	93.4	4495F29	4691^32	4721^33	4344F11	4641F21	4715^24	4753
28	93.3	4545F30	4773^33	4804^34	4389F12	4689F21	4795F24	4831
26	93.3	4596F30	4843^34	4874^35	4433F12	4737F22	4844F25	4910
24	93.1	4628F31	4861^35	4892^35	4462F13	4769F22	4877F25	4921
22	92.7	4655F31	4864^35	4895^35	4485F13	4795F23	4888^26	4924
20	92.4	4668F31	4866^35	4896^35	4498F14	4810F23	4890^27	4926
10	90.8	4733F32	4868^35	4900^35	4567F16	4861^25	4897^29	4933
0	89.2	4757^33	4857^35	4890^35	4635F18	4854^28	4890D31	4925
-10	87.6	4751^33	4854^35	4888^35	4712F20	4854D30	4888D34	4932
-20	85.9	4740^33	4846^34	4882^35	4732^22	4846D33	4882D35	4933
-30	84.2	4726^32	4835^34	4872^35	4722^25	4835D34	4872D35	4931

High QNH **+50** per .10" — Engine A/I ON **-2440**
Low QNH **-170** per .10" — Wing A/I ON **-2440**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
40	91.8	4197^25-25-34	4283^26-26-35	4356F33-33-42	4398C34-34-43
38	92.3	4261F26-26-35	4368^28-28-37	4420F34-34-43	4484C35-35-44
36	92.7	4323F27-27-36	4451^29-29-38	4484F35-35-44	4564F37-37-45
34	93.0	4382F27-27-37	4530^30-30-39	4558^30-30-39	4627F37-37-46
32	93.2	4438F28-28-38	4607^31-31-40	4636^32-32-41	4687F38-38-47
30	93.4	4495F29-29-39	4691^32-32-41	4721^33-33-42	4751^33-33-42
28	93.3	4545F30-30-39	4773^33-33-43	4804^34-34-43	4831C34-34-43
26	93.3	4596F30-30-40	4843^34-34-44	4874^35-35-44	4904^36-36-44
24	93.1	4628F31-31-40	4861^35-35-44	4892^35-35-44	4921C36-36-45
22	92.7	4655F31-31-41	4864^35-35-44	4895^35-35-44	4924C36-36-45
20	92.4	4668F31-31-41	4866^35-35-44	4896^35-35-44	4926F42-42-51
10	90.8	4733F32-32-42	4868^35-35-44	4909F41-41-50	4955C42-42-51
0	89.2	4757^33-33-42	4885F41-41-50	4945C42-42-51	4945C42-42-51
-10	87.6	4751^33-33-42	4952C42-42-51	4952C42-42-51	4952C42-42-51
-20	85.9	4756F39-39-48	4952C42-42-51	4952C42-42-51	4952C42-42-51
-30	84.2	4823F40-40-49	4949C42-42-51	4949C42-42-51	4949C42-42-51

High QNH **+0** per .10" — Engine A/I ON **-1310**
Low QNH **-170** per .10" — Wing A/I ON **-1310**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	4465	Length	8530	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.69
Rwy Rev.		Program						Rules	FAA		**04 May 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4197^25	4283^26	4311^27	4188F25	4278^26	4306^27			
38	4261F26	4368^28	4396^28	4250F25	4363^28	4391^28			
36	4323F27	4451^29	4480^29	4311F26	4446^29	4475^29			
34	4382F27	4530^30	4558^30	4371F27	4525^30	4554^30			
32	4438F28	4607^31	4636^32	4426F28	4603^31	4632^31			
30	4495F29	4691^32	4721^33	4484F29	4687^32	4717^33			
28	4545F30	4773^33	4804^34	4534F29	4770^33	4800^34			
26	4596F30	4843^34	4874^35	4585F30	4839^34	4870^35			
24	4628F31	4861^35	4892^35	4617F31	4858^35	4888^35			
22	4655F31	4864^35	4895^35	4644F31	4860^35	4891^35			
20	4668F31	4866^35	4896^35	4656F31	4861^35	4892^35			
10	4733F32	4868^35	4900^35	4537^30	4632^31	4664^32			
0	4757^33	4857^35	4890^35	4682^32	4781^34	4814^34			
-10	4751^33	4854^35	4888^35	4714^32	4815^34	4849^35			
	High QNH **+50** per .10" Low QNH **-170** per .10"			High QNH **+50** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2440** Wing A/I ON **-2440**			Engine A/I ON **-80** Wing A/I ON **-80**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4069F 9	4279^19	4311D22	4061F 9	4274^18	4306^22			
38	4126F 9	4363^19	4395^22	4118F 9	4358^19	4390^22			
36	4183F10	4445^19	4478^23	4175F10	4440^19	4473^23			
34	4238F10	4523^20	4555^23	4230F10	4518^20	4551^23			
32	4291F11	4585F20	4632^24	4284F11	4576F20	4628^23			
30	4344F11	4641F21	4715^24	4337F11	4633F21	4711^24			
28	4389F12	4689F21	4795F24	4382F12	4681F21	4786F24			
26	4433F12	4737F22	4844F25	4426F12	4729F22	4835F25			
24	4462F13	4769F22	4877F25	4455F13	4761F22	4868F25			
22	4485F13	4795F23	4888^26	4478F13	4786F23	4884^26			
20	4498F14	4810F23	4890^27	4491F14	4802F23	4886^26			
10	4567F16	4861^25	4897^29	4485F16	4632^26	4664D30			
0	4635F18	4854^28	4890D31	4593F18	4780^28	4814D31			
-10	4712F20	4854D30	4888D34	4703^20	4815D31	4849D34			
	High QNH **+50** per .10" Low QNH **-170** per .10"			High QNH **+50** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2360** Wing A/I ON **-2360**			Engine A/I ON **-70** Wing A/I ON **-70**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4068F99	4153F 2	3365F95	3686F 4	3806F 6			
26		4111F99	4195F 2	3421F96	3742F 4	3862F 7			
24		4139F 0	4223F 3	3458F96	3783F 5	3896F 7			
22		4158F 0	4242F 3	3492F96	3813F 5	3923F 8			
20		4169F 0	4254F 3	3510F97	3827F 5	3939F 8			
18		4184F 1	4267F 4	3527F97	3839F 6	3955F 8			
16		4197F 1	4280F 4	3537F97	3856F 6	3968F 9			
14		4208F 1	4293F 5	3547F98	3870F 6	3983F 9			
12		4220F 2	4304F 5	3556F98	3885F 7	3998F 9			
10		4232F 2	4317F 5	3568F98	3899F 7	4013F10			
0	3056F98	4288F 4	4377F 7	3627F 0	3965F 9	4084F11			
-10	3250F 0	4354F 6	4446F 9	3689F 1	4039F10	4160F13			
-20	3977F99	4421F 8	4515F12	3773F 3	4116^12	4216F14			
-30	4215F 0	4490F11	4590F14	3845F 5	4164^13	4208^14			
	High QNH **+50** per .10" Low QNH **-120** per .10"			High QNH **+50** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1060** Wing A/I ON **-1060**			Engine A/I ON **-540** Wing A/I ON **-1130**			Engine A/I ON Wing A/I ON		

Elevation 4465 Length 8530 Shift **0** Clearway 0 Stopway 0 Slope -0.69

Rwy Rev. Program Rules FAA **04 May 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1010'		**DT H139**	**1010'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4078F21	4243^24	4293^25	4014F 7	4243^18	4293D21	4726
46	87.7	4151F22	4328^25	4379^26	4083F 8	4322^18	4379D21	4846
44	87.6	4195F23	4376^26	4428^27	4125F 8	4369^19	4428D22	4902
42	87.3	4209F23	4391^26	4443^27	4140F 9	4385^19	4443D22	4947
40	87.1	4223F23	4405^26	4457^27	4155F 9	4399^19	4457D23	4959
38	86.8	4233F23	4413^27	4464^28	4166F 9	4410^20	4464D23	4961
36	86.6	4243F23	4421^27	4472^28	4177F10	4419^20	4472D23	4962
34	86.3	4253F24	4429^27	4481^28	4188F10	4429^20	4481D24	4964
32	86.0	4264F24	4437^27	4489^28	4200F10	4437D21	4489D24	4966
30	85.7	4274F24	4446^27	4497^28	4212F11	4446D21	4497D24	4968
20	84.3	4323^25	4488^28	4539^29	4270F12	4488D23	4539D26	4976
10	82.8	4364^26	4527^29	4576^30	4328^14	4527D25	4576D28	4973
0	81.3	4410^27	4572^29	4630^30	4383^16	4572D27	4630D30	4984
-10	79.8	4452^27	4614^30	4677^31	4436^18	4614D29	4677D32	4988
-20	78.3	4493^28	4661^31	4723^32	4487^20	4661D31	4723D33	4985
-30	76.7	4533^29	4705^32	4767^33	4533D22	4705D33	4767D34	4983

High QNH **+70** per .10" Engine A/I ON **-530**
Low QNH **-150** per .10" Wing A/I ON **-530**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4147^22	4295^25	4340^26	4078F 9	4293^19	4340D22	4726
46	90.9	4229^24	4383^26	4431^27	4148F 9	4375^20	4431D23	4846
44	90.8	4285^24	4440^27	4487^28	4198F10	4429^20	4487D24	4902
42	90.5	4313^25	4467^28	4514^29	4228F10	4457^21	4514D24	4947
40	90.2	4325^25	4480^28	4527^29	4243F11	4471^21	4527D25	4959
38	89.9	4333^25	4487^28	4534^29	4255F11	4481^22	4534D25	4961
36	89.7	4342^25	4495^28	4541^29	4266F11	4490^22	4541D25	4962
34	89.4	4350^25	4502^28	4549^29	4277F12	4500^22	4549D26	4964
32	89.1	4358^26	4510^28	4557^29	4289F12	4510D23	4557D26	4966
30	88.8	4366^26	4518^29	4566^29	4298^12	4518D23	4566D26	4968
20	87.3	4409^27	4559^29	4616^30	4351^14	4559D25	4616D28	4976
10	85.8	4446^27	4600^30	4659^31	4400^16	4600D27	4659D30	4973
0	84.2	4492^28	4651^31	4710^32	4457^18	4651D29	4710D32	4984
-10	82.7	4532^29	4697^32	4756^33	4510^20	4697D31	4756D34	4988
-20	81.1	4570^29	4739^32	4799^33	4562^22	4739D33	4799D35	4985
-30	79.5	4609^30	4781^33	4841^34	4609D25	4781D34	4841D35	4983

High QNH **+70** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4147^22-22-33	4295^25-25-35	4340^26-26-36	4393^27-27-37
46	90.9	4229^24-24-34	4383^26-26-37	4431^27-27-37	4478^28-28-38
44	90.8	4285^24-24-35	4440^27-27-38	4487^28-28-38	4535^29-29-39
42	90.5	4313^25-25-36	4467^28-28-38	4514^29-29-39	4566^29-29-39
40	90.2	4325^25-25-36	4480^28-28-38	4527^29-29-39	4579^30-30-40
38	89.9	4333^25-25-36	4487^28-28-38	4534^29-29-39	4589^30-30-40
36	89.7	4342^25-25-36	4495^28-28-38	4541^29-29-39	4599^30-30-40
34	89.4	4350^25-25-36	4502^28-28-39	4549^29-29-39	4608^30-30-40
32	89.1	4358^26-26-36	4510^28-28-39	4557^29-29-39	4618^30-30-40
30	88.8	4366^26-26-37	4518^29-29-39	4566^29-29-39	4627^30-30-40
20	87.3	4409^27-27-37	4559^29-29-39	4616^30-30-40	4676^31-31-41
10	85.8	4446^27-27-38	4600^30-30-40	4659^31-31-41	4720^32-32-42
0	84.2	4492^28-28-38	4651^31-31-41	4710^32-32-42	4771^33-33-42
-10	82.7	4532^29-29-39	4697^32-32-41	4756^33-33-42	4818^34-34-43
-20	81.1	4570^29-29-40	4739^32-32-42	4799^33-33-43	4861^34-34-44
-30	79.5	4609^30-30-40	4781^33-33-43	4841^34-34-43	4904^35-35-44

High QNH **+70** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	10	Length	7218	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4147^22	4295^25	4340^26	4139^22	4289^25	4334^26			
46	4229^24	4383^26	4431^27	4222^23	4376^26	4424^27			
44	4285^24	4440^27	4487^28	4276^24	4433^27	4480^28			
42	4313^25	4467^28	4514^29	4305^25	4459^28	4507^28			
40	4325^25	4480^28	4527^29	4318^25	4473^28	4520^29			
38	4333^25	4487^28	4534^29	4326^25	4481^28	4527^29			
36	4342^25	4495^28	4541^29	4334^25	4489^28	4535^29			
34	4350^25	4502^28	4549^29	4342^25	4496^28	4543^29			
32	4358^26	4510^28	4557^29	4351^26	4504^28	4551^29			
30	4366^26	4518^29	4566^29	4359^26	4512^28	4559^29			
20	4409^27	4559^29	4616^30	4402^26	4553^29	4609^30			
10	4446^27	4600^30	4659^31	4395^27	4548^29	4606^30			
0	4492^28	4651^31	4710^32	4440^27	4599^30	4656^31			
-10	4532^29	4697^32	4756^33	4477^28	4639^31	4697^32			
	High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-570** Wing A/I ON **-570**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4078F 9	4293^19	4340D22	4071F 9	4286^19	4334D22			
46	4148F 9	4375^20	4431D23	4141F 9	4368^19	4424D23			
44	4198F10	4429^20	4487D24	4191F10	4422^20	4480D23			
42	4228F10	4457^21	4514D24	4221F10	4450^21	4507D24			
40	4243F11	4471^21	4527D25	4236F11	4464^21	4520D25			
38	4255F11	4481^22	4534D25	4248F11	4474^22	4527D25			
36	4266F11	4490^22	4541D25	4260F11	4484^22	4535D25			
34	4277F12	4500^22	4549D26	4270F12	4494^22	4543D26			
32	4289F12	4510D23	4557D26	4282F12	4504^23	4551D26			
30	4298^12	4518D23	4566D26	4292^12	4512D23	4559D26			
20	4351^14	4559D25	4616D28	4345^14	4553D25	4609D28			
10	4400^16	4600D27	4659D30	4354^16	4548D27	4606D30			
0	4457^18	4651D29	4710D32	4411^18	4599D29	4656D32			
-10	4510^20	4697D31	4756D34	4460^20	4639D31	4697D33			
	High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-570** Wing A/I ON **-570**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3279F92	4159^99	4256^ 3	2944F98	3632F 5	3816F 7			
26	3314F92	4172^ 0	4259^ 3	2965F98	3651F 5	3843F 7			
24	3348F92	4183^ 0	4261^ 3	2981F98	3669F 5	3863F 8			
22	3382F92	4195^ 0	4263^ 4	2999F98	3686F 6	3881F 8			
20	3414F92	4206^ 1	4264^ 4	3017F99	3705F 6	3898F 8			
18	3446F93	4215^ 1	4266^ 5	3035F99	3724F 6	3914F 9			
16	3483F93	4215^ 1	4266^ 5	3057F99	3744F 6	3928F 9			
14	3519F93	4214^ 2	4265^ 5	3076F 0	3764F 7	3947F 9			
12	3554F93	4213^ 2	4264^ 6	3094F 0	3788F 7	3962F10			
10	3588F94	4214^ 3	4265^ 6	3122F 0	3805F 7	3978F10			
0	3762F95	4224^ 5	4277^ 8	3244F 1	3916F 9	4069F11			
-10	3809F97	4227^ 7	4281^11	3393F 2	4001F10	4171F13			
-20	3981F98	4228^ 9	4280D13	3524F 3	4095F12	4275F15			
-30	4059^ 0	4226D12	4271D15		4204F14	4269^15			
	High QNH **+10** per .10" Low QNH **-60** per .10"			High QNH **+40** per .10" Low QNH **-100** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-690** Wing A/I ON **-690**			Engine A/I ON **-450** Wing A/I ON **-450**			Engine A/I ON Wing A/I ON		

Elevation 10 Length 7218 Shift **0** Clearway 0 Stopway 0 Slope +0.00

Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1010'		**RT H130**	**1010'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4058^21	4219^24	4269^25
46	87.7	4137^22	4302^25	4355^26
44	87.6	4183^22	4351^26	4404^27
42	87.3	4197^23	4365^26	4419^27
40	87.1	4210^23	4379^26	4433^27
38	86.8	4218^23	4387^26	4440^27
36	86.6	4226^23	4395^26	4448^27
34	86.3	4234^23	4403^26	4456^27
32	86.0	4243^23	4412^27	4465^28
30	85.7	4251^24	4420^27	4473^28
20	84.3	4295^24	4463^27	4516^28
10	82.8	4336^25	4502^28	4552^29
0	81.3	4382^26	4547^29	4599^30
-10	79.8	4425^27	4587^30	4648^31
-20	78.3	4466^28	4632^30	4694^32
-30	76.7	4507^28	4677^31	4739^32

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4012^ 7	4219D18	4269D21	4726
4083F 8	4302D18	4355D22	4846
4125F 8	4350^19	4404D22	4902
4140F 9	4365^19	4419D22	4947
4155F 9	4379D19	4433D23	4959
4166F 9	4387D20	4440D23	4961
4177F10	4395D20	4448D23	4962
4188F10	4403D20	4456D24	4964
4196^10	4412D21	4465D24	4966
4206^11	4420D21	4473D24	4968
4258^12	4463D23	4516D26	4976
4307^14	4502D25	4552D28	4973
4363^16	4547D27	4599D30	4984
4414^18	4587D29	4648D32	4988
4466D20	4632D31	4694D33	4985
4507D22	4677D33	4739D34	4983

High QNH **+70** per .10" — Low QNH **-150** per .10"
Engine A/I ON **-530** — Wing A/I ON **-530**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4120^22	4272^25	4318^26
46	90.9	4202^23	4360^26	4407^27
44	90.8	4257^24	4415^27	4464^28
42	90.5	4285^24	4442^27	4491^28
40	90.2	4298^25	4455^27	4503^28
38	89.9	4306^25	4463^28	4511^28
36	89.7	4314^25	4470^28	4518^29
34	89.4	4322^25	4478^28	4526^29
32	89.1	4330^25	4487^28	4534^29
30	88.8	4338^25	4495^28	4542^29
20	87.3	4381^26	4536^29	4585^30
10	85.8	4419^27	4571^29	4631^31
0	84.2	4465^28	4621^30	4682^31
-10	82.7	4506^28	4668^31	4728^32
-20	81.1	4545^29	4712^32	4771^33
-30	79.5	4583^30	4754^33	4814^34

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4062^ 9	4272D19	4318D23	4726
4137^ 9	4357^20	4407D23	4846
4187^10	4410^20	4464D24	4902
4213^10	4438^21	4491D24	4947
4227^11	4453^21	4503D25	4959
4237^11	4462^22	4511D25	4961
4247^11	4470D22	4518D26	4962
4257^12	4478D22	4526D26	4964
4267^12	4487D23	4534D26	4966
4277^13	4495D23	4542D27	4968
4330^14	4536D25	4585D29	4976
4379^16	4571D27	4631D31	4973
4437^18	4621D29	4682D33	4984
4490^20	4668D31	4728D34	4988
4543^23	4712D33	4771D34	4985
4583D25	4754D34	4814D35	4983

High QNH **+70** per .10" — Low QNH **-160** per .10"
Engine A/I ON **-590** — Wing A/I ON **-590**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4120^22-22-33	4272^25-25-35	4318^26-26-36	4363^26-26-36
46	90.9	4202^23-23-34	4360^26-26-36	4407^27-27-37	4453^28-28-38
44	90.8	4257^24-24-35	4415^27-27-37	4464^28-28-38	4511^28-28-39
42	90.5	4285^24-24-35	4442^27-27-38	4491^28-28-38	4536^29-29-39
40	90.2	4298^25-25-36	4455^27-27-38	4503^28-28-39	4549^29-29-39
38	89.9	4306^25-25-36	4463^28-28-38	4511^28-28-39	4559^29-29-39
36	89.7	4314^25-25-36	4470^28-28-38	4518^29-29-39	4568^29-29-40
34	89.4	4322^25-25-36	4478^28-28-38	4526^29-29-39	4577^30-30-40
32	89.1	4330^25-25-36	4487^28-28-38	4534^29-29-39	4587^30-30-40
30	88.8	4338^25-25-36	4495^28-28-38	4542^29-29-39	4597^30-30-40
20	87.3	4381^26-26-37	4536^29-29-39	4585^30-30-40	4647^31-31-41
10	85.8	4419^27-27-37	4571^29-29-40	4631^31-31-40	4691^32-32-41
0	84.2	4465^28-28-38	4621^30-30-40	4682^31-31-41	4742^32-32-42
-10	82.7	4506^28-28-39	4668^31-31-41	4728^32-32-42	4789^33-33-43
-20	81.1	4545^29-29-39	4712^32-32-42	4771^33-33-42	4833^34-34-43
-30	79.5	4583^30-30-40	4754^33-33-42	4814^34-34-43	4876^35-35-44

High QNH **+70** per .10" — Low QNH **-160** per .10"
Engine A/I ON **-590** — Wing A/I ON **-590**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 10 Length 7218 Shift **0** Clearway 0 Stopway 0 Slope +0.00
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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4120^22	4272^25	4318^26	4113^22	4265^25	4311^26			
46	4202^23	4360^26	4407^27	4195^23	4352^26	4400^27			
44	4257^24	4415^27	4464^28	4249^24	4408^27	4457^28			
42	4285^24	4442^27	4491^28	4278^24	4435^27	4483^28			
40	4298^25	4455^27	4503^28	4290^24	4448^27	4497^28			
38	4306^25	4463^28	4511^28	4299^25	4456^27	4504^28			
36	4314^25	4470^28	4518^29	4306^25	4463^28	4512^28			
34	4322^25	4478^28	4526^29	4315^25	4472^28	4520^29			
32	4330^25	4487^28	4534^29	4323^25	4480^28	4527^29			
30	4338^25	4495^28	4542^29	4332^25	4488^28	4535^29			
20	4381^26	4536^29	4585^30	4374^26	4529^29	4578^30			
10	4419^27	4571^29	4631^31	4369^26	4519^29	4578^30			
0	4465^28	4621^30	4682^31	4414^27	4570^30	4628^31			
-10	4506^28	4668^31	4728^32	4451^28	4611^30	4670^31			
	High QNH +70 per .10" Low QNH -160 per .10"			High QNH +70 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -560 Wing A/I ON -560			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4062^ 9	4272D19	4318D23	4056^ 9	4265D19	4311D22			
46	4137^ 9	4357^20	4407D23	4130^ 9	4350^20	4400D23			
44	4187^10	4410^20	4464D24	4181^10	4403^20	4457D24			
42	4213^10	4438^21	4491D24	4207^10	4431^21	4483D24			
40	4227^11	4453^21	4503D25	4221^11	4446^21	4497D25			
38	4237^11	4462^22	4511D25	4231^11	4456^22	4504D25			
36	4247^11	4470D22	4518D26	4241^11	4463D22	4512D25			
34	4257^12	4478D22	4526D26	4251^12	4472D22	4520D26			
32	4267^12	4487D23	4534D26	4261^12	4480D23	4527D26			
30	4277^13	4495D23	4542D27	4272^12	4488D23	4535D26			
20	4330^14	4536D25	4585D29	4324^14	4529D25	4578D28			
10	4379^16	4571D27	4631D31	4335^16	4519D27	4578D31			
0	4437^18	4621D29	4682D33	4392^18	4570D29	4628D32			
-10	4490^20	4668D31	4728D34	4442^20	4611D31	4670D33			
	High QNH +70 per .10" Low QNH -150 per .10"			High QNH +70 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -560 Wing A/I ON -560			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3279F92	4144^99	4240^ 3	2944F98	3632F 5	3816F 7			
26	3314F92	4156^ 0	4252^ 3	2965F98	3651F 5	3843F 7			
24	3348F92	4168^ 0	4261^ 3	2981F98	3669F 5	3863F 8			
22	3382F92	4180^ 0	4263^ 4	2999F98	3686F 6	3881F 8			
20	3414F92	4192^ 1	4264^ 4	3017F99	3705F 6	3898F 8			
18	3446F93	4202^ 1	4266^ 5	3035F99	3724F 6	3911^ 9			
16	3483F93	4213^ 1	4266^ 5	3057F99	3744F 6	3928F 9			
14	3519F93	4214^ 2	4265^ 5	3076F 0	3764F 7	3944^ 9			
12	3554F93	4213^ 2	4264^ 6	3094F 0	3788F 7	3961^10			
10	3588F94	4214^ 3	4265^ 6	3122F 0	3805F 7	3978^10			
0	3762F95	4224^ 5	4277^ 8	3244F 1	3916F 9	4069F11			
-10	3809F97	4227^ 7	4281^11	3393F 2	4001F10	4171F13			
-20	3981F98	4228^ 9	4280D13	3524F 3	4095F12	4275F15			
-30	4059^ 0	4226D12	4271D15		4204F14	4269^15			
	High QNH +10 per .10" Low QNH -60 per .10"			High QNH +40 per .10" Low QNH -100 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -690 Wing A/I ON -690			Engine A/I ON -450 Wing A/I ON -450			Engine A/I ON Wing A/I ON		

Elevation 10 Length 7218 Shift **0** Clearway 0 Stopway 0 Slope +0.00

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
		4904'		**RT H120**	**4904'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	88.3	4121F23	4275^26	4305^27	4041F11	4273^20	4305D23	4355
40	88.5	4184F24	4362^27	4392^28	4098F11	4359^20	4392^24	4444
38	88.7	4246F25	4449^29	4478^29	4156F12	4433F21	4477^24	4530
36	89.0	4308F26	4532^30	4563^30	4214F12	4495F21	4561^24	4617
34	89.2	4367F27	4608F31	4642^32	4270F13	4552F22	4638^25	4697
32	89.5	4423F27	4666F32	4720^33	4323F13	4608F22	4707F25	4777
30	89.7	4476F28	4722F32	4795^34	4373F14	4662F23	4762F26	4841
28	89.5	4506F29	4754F33	4840F34	4399F14	4691F23	4792F26	4878
26	89.2	4521F29	4770F33	4857F35	4416F15	4709F24	4810F27	4914
24	88.9	4533F29	4785F33	4872F35	4431F15	4725F24	4827F27	4921
22	88.7	4545F29	4797F34	4883F35	4444F15	4739F24	4842F27	4923
20	88.4	4557F29	4810F34	4896F35	4458F16	4754F25	4857F28	4925
10	86.9	4619F31	4872^35	4907^35	4525F17	4828F27	4904^30	4932
0	85.4	4675F32	4860^35	4895^35	4590F19	4858^29	4895D32	4923
-10	83.8	4737F33	4860^35	4896^35	4660F21	4860D31	4896D35	4929
-20	82.2	4742^33	4853^35	4891^35	4733F23	4853D34	4891D35	4929

High QNH **+0** per .10" Engine A/I ON **-1740**
Low QNH **-160** per .10" Wing A/I ON **-1740**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	91.5	4198^25	4285^26	4314^27	4108F12	4285^22	4314D25	4355
40	91.8	4281F26	4373^28	4402^28	4169F13	4371^22	4402D25	4444
38	92.3	4344F27	4459^29	4489^29	4227F13	4456^23	4489D26	4530
36	92.8	4406F28	4543^30	4573^31	4284F14	4539^23	4573^26	4617
34	93.1	4468F28	4622^31	4653^32	4340F14	4617^23	4652^27	4697
32	93.1	4526F29	4702^32	4732^33	4394F15	4689F24	4730^27	4777
30	93.1	4583F30	4776^33	4807^34	4446F15	4745F24	4804^28	4841
28	92.9	4621F31	4837^34	4869^35	4478F16	4781F25	4865^28	4878
26	92.7	4658F31	4878^35	4910^36	4510F16	4816F26	4905^29	4914
24	92.4	4672F31	4881^35	4913^36	4526F17	4833F26	4909^29	4921
22	92.1	4684F32	4883^35	4915^36	4540F17	4849F26	4911^30	4923
20	91.8	4696F32	4884^35	4917^36	4554F17	4864F27	4914^30	4925
10	90.2	4758F33	4889^35	4922^36	4624F19	4885^29	4922D32	4932
0	88.6	4772^33	4875^35	4910^36	4692F21	4875D31	4910D35	4923
-10	87.0	4769^33	4875^35	4911^36	4760^23	4875D34	4911D36	4929
-20	85.3	4759^33	4869^35	4906^35	4755^26	4869D35	4906D36	4929

High QNH **+0** per .10" Engine A/I ON **-1760**
Low QNH **-170** per .10" Wing A/I ON **-1760**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
42	91.5	4198^25-25-34	4289F32-32-41	4365F34-34-42	4399C34-34-43
40	91.8	4281F26-26-35	4373^28-28-37	4433F34-34-43	4492C36-36-44
38	92.3	4344F27-27-36	4459^29-29-38	4497F35-35-44	4577F37-37-45
36	92.8	4406F28-28-37	4543^30-30-39	4573^31-31-40	4643F38-38-46
34	93.1	4468F28-28-38	4622^31-31-40	4653^32-32-41	4707F38-38-47
32	93.1	4526F29-29-39	4702^32-32-42	4732^33-33-42	4767F39-39-48
30	93.1	4583F30-30-40	4776^33-33-43	4807^34-34-43	4838^34-34-44
28	92.9	4621F31-31-40	4837^34-34-43	4869^35-35-44	4878C35-35-44
26	92.7	4658F31-31-41	4878^35-35-44	4910^36-36-45	4914C36-36-45
24	92.4	4672F31-31-41	4881^35-35-44	4913^36-36-45	4921C36-36-45
22	92.1	4684F32-32-41	4883^35-35-44	4915^36-36-45	4934F42-42-51
20	91.8	4696F32-32-41	4884^35-35-44	4917^36-36-45	4947C42-42-51
10	90.2	4758F33-33-42	4889^35-35-44	4928F42-42-51	4954C42-42-51
0	88.6	4772^33-33-43	4903F41-41-50	4943C42-42-51	4943C42-42-51
-10	87.0	4769^33-33-43	4948C42-42-51	4948C42-42-51	4948C42-42-51
-20	85.3	4779F39-39-48	4949C42-42-51	4949C42-42-51	4949C42-42-51

High QNH **+0** per .10" Engine A/I ON **-1010**
Low QNH **-170** per .10" Wing A/I ON **-1010**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	3904	Length	8858	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.03
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	4198^25	4285^26	4314^27	4194^25	4280^26	4309^27			
40	4281F26	4373^28	4402^28	4269F26	4369^28	4397^28			
38	4344F27	4459^29	4489^29	4333F27	4454^29	4484^29			
36	4406F28	4543^30	4573^31	4394F27	4539^30	4568^31			
34	4468F28	4622^31	4653^32	4456F28	4619^31	4649^32			
32	4526F29	4702^32	4732^33	4515F29	4698^32	4728^33			
30	4583F30	4776^33	4807^34	4572F30	4773^33	4804^34			
28	4621F31	4837^34	4869^35	4610F30	4834^34	4865^35			
26	4658F31	4878^35	4910^36	4647F31	4874^35	4906^35			
24	4672F31	4881^35	4913^36	4661F31	4877^35	4909^36			
22	4684F32	4883^35	4915^36	4673F31	4878^35	4910^36			
20	4696F32	4884^35	4917^36	4685F32	4880^35	4912^36			
10	4758F33	4889^35	4922^36	4631^31	4730^33	4763^33			
0	4772^33	4875^35	4910^36	4696^32	4799^34	4834^35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1760** Wing A/I ON **-1760**			Engine A/I ON **-170** Wing A/I ON **-170**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	4108F12	4285^22	4314D25	4099F12	4280^22	4309D25			
40	4169F13	4371^22	4402D25	4160F13	4366^22	4397D25			
38	4227F13	4456^23	4489D26	4218F13	4451^22	4484D26			
36	4284F14	4539^23	4573^26	4276F14	4534^23	4568^26			
34	4340F14	4617^23	4652^27	4333F14	4613^23	4647^27			
32	4394F15	4689F24	4730^27	4386F15	4680F24	4726^27			
30	4446F15	4745F24	4804^28	4439F15	4737F24	4800^27			
28	4478F16	4781F25	4865^28	4471F16	4772F25	4861^28			
26	4510F16	4816F26	4905^29	4503F16	4808F26	4901^29			
24	4526F17	4833F26	4909^29	4519F17	4825F26	4904^29			
22	4540F17	4849F26	4911^30	4533F17	4840F26	4906^29			
20	4554F17	4864F27	4914^30	4546F17	4855F27	4909^30			
10	4624F19	4885^29	4922D32	4572F19	4730D30	4763D33			
0	4692F21	4875D31	4910D35	4649F21	4799D32	4834D35			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1730** Wing A/I ON **-1730**			Engine A/I ON **-170** Wing A/I ON **-170**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3250F97	4155F 4	4237F 7	3534F99	3824F 8	3947F10			
26	3356F97	4182F 4	4264F 7	3570F 0	3865F 8	3990F11			
24	3446F97	4197F 5	4280F 8	3584F 0	3881F 8	4008F11			
22	3559F97	4209F 5	4292F 8	3595F 0	3895F 9	4024F11			
20	3691F97	4221F 5	4305F 8	3605F 1	3907F 9	4044F11			
18	3785F97	4234F 6	4318F 9	3617F 1	3922F 9	4064F12			
16	3889F97	4246F 6	4332F 9	3629F 1	3936F10	4083F12			
14	3992F97	4259F 6	4345F10	3642F 2	3939F10	4102F12			
12	4028F97	4269F 7	4358F10	3653F 2	3971F10	4120F13			
10	4038F98	4282F 7	4370F10	3665F 2	3988F10	4139F13			
0	4088F99	4340F 9	4430F12	3727F 4	4080F12	4240^14			
-10	4146F 1	4408F11	4501F15	3801F 5	4182F13	4242^14			
-20	4204F 3	4477F13	4574F17	3868F 7	4197^14	4238^14			
-30	4262F 5	4545F16	4647F19	3928F 9	4186^14	4229^14			
	High QNH **+60** per .10" Low QNH **-110** per .10"			High QNH **+10** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-590** Wing A/I ON **-590**			Engine A/I ON **-300** Wing A/I ON **-300**			Engine A/I ON Wing A/I ON		

Elevation	3904	Length	8858	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.03
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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CIUDAD JUAREZ -CJS 15 *LT H090*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		4904'		**LT H090**	**4904'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
42	88.3	3303F 6	3534F12	3613F13
40	88.5	3352F 7	3585F12	3669F14
38	88.7	3400F 8	3636F13	3719F15
36	89.0	3448F 9	3686F14	3771F15
34	89.2	3494F 9	3735F14	3821F16
32	89.5	3536F10	3781F15	3868F17
30	89.7	3576F10	3825F16	3913F17
28	89.5	3603F11	3850F16	3938F18
26	89.2	3616F11	3864F16	3953F18
24	88.9	3627F11	3877F17	3966F18
22	88.7	3637F12	3888F17	3977F19
20	88.4	3647F12	3899F17	3989F19
10	86.9	3696F13	3956F18	4048F20
0	85.4	3744F14	4012F19	4097F21
-10	83.8	3798F15	4067F20	4154F22
-20	82.2	3853F16	4123F21	4212F23

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
	3513F 1	3603F 4	4355
	3562F 1	3654F 4	4444
	3610F 2	3703F 5	4530
	3659F 2	3753F 5	4617
	3706F 3	3801F 6	4697
	3750F 3	3846F 6	4777
	3792F 3	3890F 7	4841
	3815F 4	3913F 7	4878
	3830F 4	3929F 7	4914
	3844F 4	3943F 8	4921
	3856F 5	3956F 8	4923
	3867F 5	3968F 8	4925
	3930F 7	4032F10	4932
3373F 0	3990F 9	4090F12	4923
3424F 2	4055F10	4154D14	4929
3811F 2	4119F12	4212D16	4929

High QNH **+60** per .10" — Engine A/I ON **-410**
Low QNH **-130** per .10" — Wing A/I ON **-410**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **22**

OAT °C	N1%	-10T	+0	+10H
42	91.5	3610^ 4	3703^ 7	3734^ 8
40	91.8	3685^ 4	3780^ 8	3811^ 9
38	92.3	3749^ 4	3855^ 9	3886^10
36	92.8	3809^ 5	3929^10	3960^11
34	93.1	3867^ 5	3998^11	4031^12
32	93.1	3922^ 6	4067^12	4100^13
30	93.1	3976^ 6	4132^13	4166^13
28	92.9	4004^ 7	4173^13	4205^14
26	92.7	4032^ 8	4195^14	4227^14
24	92.4	4044^ 8	4205^14	4238^14
22	92.1	4055^ 8	4210^14	4244^14
20	91.8	4064^ 8	4216^14	4250^14
10	90.2	4111^10	4226^14	4261^15
0	88.6	4105^12	4214^14	4250^14
-10	87.0	4101^12	4213^14	4251^14
-20	85.3	4091^12	4207^14	4246^14

TO-1 - WET RWY — Flaps **22**

-10T	+0	+10H	Dry Rwy Climb Limit
3555F90	3703^ 0	3734D 3	3832
3586F90	3778^ 0	3811D 3	3912
3557F91	3852^ 0	3886D 4	3989
3528F92	3925^ 1	3960D 4	4067
3498F93	3994^ 1	4031D 4	4141
3474F93	4063^ 1	4100^ 5	4214
3454F94	4115^ 2	4165^ 5	4272
3495F94	4140^ 2	4205D 6	4305
3532F95	4165^ 3	4227D 6	4339
3560F95	4177^ 3	4238D 7	4345
3594F95	4187^ 4	4244D 7	4347
3627F95	4196^ 4	4250D 7	4349
3795F96	4225^ 6	4261D 9	4355
3958F98	4214D 8	4250D11	4349
3967F 0	4213D10	4251D14	4355
4085^ 1	4207D12	4246D15	4356

High QNH **+0** per .10" — Engine A/I ON **-1570**
Low QNH **-150** per .10" — Wing A/I ON **-1570**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **22**

OAT °C	N1%	-10T	+0	+10H	+20H
42	91.5	3610^ 4- 6-13	3703^ 7- 7-14	3734^ 8- 8-15	3764^ 8- 8-15
40	91.8	3685^ 4- 7-14	3780^ 8- 8-15	3811^ 9- 9-16	3841^ 9- 9-16
38	92.3	3749^ 4- 8-15	3855^ 9- 9-17	3886^10-10-17	3918^10-10-17
36	92.8	3809^ 5- 9-16	3929^10-10-18	3960^11-11-18	3992^11-11-18
34	93.1	3867^ 5- 9-17	3998^11-11-18	4031^12-12-19	4063^12-12-19
32	93.1	3922^ 6-10-17	4067^12-12-19	4100^13-13-20	4133^13-13-20
30	93.1	3976^ 6-10-18	4132^13-13-20	4166^13-13-20	4199^14-14-21
28	92.9	4004^ 7-11-19	4173^13-13-21	4205^14-14-21	4242^14-14-21
26	92.7	4032^ 8-11-19	4195^14-14-21	4227^14-14-21	4265^15-15-22
24	92.4	4044^ 8-11-19	4205^14-14-21	4238^14-14-21	4275^15-15-22
22	92.1	4055^ 8-12-19	4210^14-14-21	4244^14-14-21	4282^15-15-22
20	91.8	4064^ 8-12-19	4216^14-14-21	4250^14-14-21	4288^15-15-22
10	90.2	4111^10-12-20	4226^14-14-21	4261^15-15-22	4297^15-15-22
0	88.6	4105^12-12-20	4214^14-14-21	4250^14-14-21	4288^15-15-22
-10	87.0	4101^12-12-20	4213^14-14-21	4251^14-14-21	4288^15-15-22
-20	85.3	4091^12-12-20	4207^14-14-21	4246^14-14-21	4285^15-15-22

High QNH **+0** per .10" — Engine A/I ON **-1570**
Low QNH **-150** per .10" — Wing A/I ON **-1570**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 3904 Length 5610 Shift **0** Clearway 0 Stopway 0 Slope -0.11
Rwy Rev. Program Rules FAA **13 Mar 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3610^ 4	3703^ 7	3734^ 8	3605^ 3	3699^ 7	3729^ 8			
40	3685^ 4	3780^ 8	3811^ 9	3680^ 4	3775^ 8	3806^ 9			
38	3749^ 4	3855^ 9	3886^10	3741^ 4	3850^ 9	3882^10			
36	3809^ 5	3929^10	3960^11	3801^ 5	3924^10	3956^11			
34	3867^ 5	3998^11	4031^12	3860^ 5	3995^11	4027^12			
32	3922^ 6	4067^12	4100^13	3915^ 6	4064^12	4097^12			
30	3976^ 6	4132^13	4166^13	3970F 6	4130^13	4163^13			
28	4004^ 7	4173^13	4205^14	3997^ 7	4169^13	4201^14			
26	4032^ 8	4195^14	4227^14	4025^ 7	4190^14	4222^14			
24	4044^ 8	4205^14	4238^14	4038^ 8	4200^14	4233^14			
22	4055^ 8	4210^14	4244^14	4047^ 8	4206^14	4239^14			
20	4064^ 8	4216^14	4250^14	4057^ 8	4211^14	4245^14			
10	4111^10	4226^14	4261^15	3973^11	4077^12	4112^13			
0	4105^12	4214^14	4250^14	4041^12	4149^13	4185^14			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -1570			Engine A/I ON -80			Engine A/I ON		
	Wing A/I ON -1570			Wing A/I ON -80			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3555F90	3703^ 0	3734D 3	3550F90	3698^ 0	3729D 3			
40	3586F90	3778^ 0	3811D 3	3576F90	3774^ 0	3806D 3			
38	3557F91	3852^ 0	3886D 4	3548F91	3848^ 0	3882D 4			
36	3528F92	3925^ 1	3960D 4	3519F92	3921^ 1	3956D 4			
34	3498F93	3994^ 1	4031D 4	3490F92	3991^ 1	4027D 4			
32	3474F93	4063^ 1	4100^ 5	3465F93	4054^ 1	4097^ 5			
30	3454F94	4115^ 2	4165^ 5	3447F94	4111^ 2	4162^ 5			
28	3495F94	4140^ 2	4205D 6	3487F94	4135^ 2	4201D 6			
26	3532F95	4165^ 3	4227D 6	3524F95	4159^ 3	4222D 6			
24	3560F95	4177^ 3	4238D 7	3552F95	4172^ 3	4233D 6			
22	3594F95	4187^ 4	4244D 7	3586F95	4181^ 4	4239D 7			
20	3627F95	4196^ 4	4250D 7	3619F95	4191^ 4	4245D 7			
10	3795F96	4225^ 6	4261D 9	3790F96	4077D 6	4112D10			
0	3958F98	4214D 8	4250D11	3951F97	4149D 8	4185D11			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -140 per .10"			Low QNH per .10"		
	Engine A/I ON -1560			Engine A/I ON -80			Engine A/I ON		
	Wing A/I ON -1560			Wing A/I ON -80			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps -10T	+0	+10H	LEVEL 2 CONTAM Flaps -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28									
26									
24									
22									
20									
18									
16									
14									
12									
10									
0									
-10									
-20									
-30									
	High QNH per .10"			High QNH per .10"			High QNH per .10"		
	Low QNH per .10"			Low QNH per .10"			Low QNH per .10"		
	Engine A/I ON			Engine A/I ON			Engine A/I ON		
	Wing A/I ON			Wing A/I ON			Wing A/I ON		

Elevation	3904	Length	5610	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.11
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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CIUDAD JUAREZ -CJS 21 *DT H210*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		4904'		**DT H210**	**4904'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
42	88.3	4113F23	4275^26	4304^27
40	88.5	4176F24	4362^27	4392^28
38	88.7	4238F25	4448^29	4478^29
36	89.0	4300F26	4531^30	4562^30
34	89.2	4360F27	4599F31	4641^32
32	89.5	4415F27	4657F32	4720^33
30	89.7	4468F28	4714F32	4794^34
28	89.5	4498F28	4745F33	4831F34
26	89.2	4513F29	4761F33	4847F34
24	88.9	4527F29	4775F33	4862F35
22	88.7	4539F29	4788F33	4875F35
20	88.4	4549F29	4801F34	4887F35
10	86.9	4611F30	4866F35	4906^35
0	85.4	4666F31	4859^35	4894^35
-10	83.8	4727F32	4859^35	4895^35
-20	82.2	4742^33	4853^35	4890^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4035F11	4272^20	4304D23	4355
4094F11	4358^20	4391^24	4444
4150F12	4427F21	4476^24	4530
4208F12	4488F21	4560^24	4617
4264F13	4546F22	4638^25	4697
4317F13	4601F22	4700F25	4777
4367F14	4655F23	4755F26	4841
4393F14	4684F23	4785F26	4878
4410F15	4702F24	4803F27	4914
4425F15	4718F24	4820F27	4921
4438F15	4732F24	4835F27	4923
4451F16	4747F25	4850F28	4925
4519F18	4821F27	4904^30	4932
4584F19	4857^29	4894D32	4923
4653F21	4859D31	4895D35	4929
4726F23	4853D34	4890D35	4929

High QNH **+0** per .10" Engine A/I ON **-1690**
Low QNH **-160** per .10" Wing A/I ON **-1690**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
42	91.5	4198^25	4285^26	4314^27
40	91.8	4272F26	4372^28	4402^28
38	92.3	4336F27	4459^29	4488^29
36	92.8	4397F28	4543^30	4573^31
34	93.1	4459F28	4622^31	4652^32
32	93.1	4518F29	4701^32	4731^33
30	93.1	4575F30	4776^33	4806^34
28	92.9	4612F31	4836^34	4868^35
26	92.7	4649F31	4878^35	4909^36
24	92.4	4663F31	4880^35	4912^36
22	92.1	4675F32	4882^35	4914^36
20	91.8	4687F32	4884^35	4916^36
10	90.2	4749F33	4888^35	4922^36
0	88.6	4771^33	4875^35	4910^36
-10	87.0	4768^33	4874^35	4910^36
-20	85.3	4758^33	4868^35	4905^35

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4102F12	4284^22	4314D25	4355
4163F13	4370^22	4402D25	4444
4221F13	4455^23	4488D26	4530
4279F14	4539^23	4572^26	4617
4335F14	4616^23	4651^27	4697
4388F15	4683F24	4729^27	4777
4440F15	4739F24	4803^28	4841
4472F16	4774F25	4864^28	4878
4504F16	4810F26	4904^29	4914
4520F17	4827F26	4908^29	4921
4534F17	4842F26	4910^30	4923
4548F18	4857F27	4913^30	4925
4618F19	4884^29	4922D32	4932
4685F21	4875D31	4910D35	4923
4759^23	4874D34	4910D36	4929
4754^26	4868D35	4905D36	4929

High QNH **+0** per .10" Engine A/I ON **-1760**
Low QNH **-170** per .10" Wing A/I ON **-1760**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
42	91.5	4198^25-25-34	4285^26-26-35	4357F33-33-42	4399C34-34-43
40	91.8	4272F26-26-35	4372^28-28-37	4425F34-34-43	4492C36-36-44
38	92.3	4336F27-27-36	4459^29-29-38	4488F35-35-44	4568F37-37-45
36	92.8	4397F28-28-37	4543^30-30-39	4573^31-31-40	4634F37-37-46
34	93.1	4459F28-28-38	4622^31-31-40	4652^32-32-41	4698F38-38-47
32	93.1	4518F29-29-39	4701^32-32-42	4731^33-33-42	4762^33-33-42
30	93.1	4575F30-30-40	4776^33-33-43	4806^34-34-43	4838^34-34-44
28	92.9	4612F31-31-40	4836^34-34-43	4868^35-35-44	4878C35-35-44
26	92.7	4649F31-31-41	4878^35-35-44	4909^36-36-45	4914C36-36-45
24	92.4	4663F31-31-41	4880^35-35-44	4912^36-36-45	4921C36-36-45
22	92.1	4675F32-32-41	4882^35-35-44	4914^36-36-45	4924F42-42-51
20	91.8	4687F32-32-41	4884^35-35-44	4916^36-36-45	4938F42-42-51
10	90.2	4749F33-33-42	4888^35-35-44	4922^36-36-45	4954C42-42-51
0	88.6	4771^33-33-43	4894F41-41-50	4943C42-42-51	4943C42-42-51
-10	87.0	4768^33-33-43	4948C42-42-51	4948C42-42-51	4948C42-42-51
-20	85.3	4769F39-39-48	4949C42-42-51	4949C42-42-51	4949C42-42-51

High QNH **+0** per .10" Engine A/I ON **-1090**
Low QNH **-170** per .10" Wing A/I ON **-1090**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	3904	Length	8858	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.03
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
42	4198^25	4285^26	4314^27
40	4272F26	4372^28	4402^28
38	4336F27	4459^29	4488^29
36	4397F28	4543^30	4573^31
34	4459F28	4622^31	4652^32
32	4518F29	4701^32	4731^33
30	4575F30	4776^33	4806^34
28	4612F31	4836^34	4868^35
26	4649F31	4878^35	4909^36
24	4663F31	4880^35	4912^36
22	4675F32	4882^35	4914^36
20	4687F32	4884^35	4916^36
10	4749F33	4888^35	4922^36
0	4771^33	4875^35	4910^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-1760**
Wing A/I ON **-1760**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
42	4193^25	4280^26	4309^27
40	4261F26	4368^28	4397^28
38	4324F26	4454^29	4483^29
36	4386F27	4538^30	4567^31
34	4448F28	4618^31	4648^32
32	4507F29	4697^32	4728^33
30	4564F30	4772^33	4803^34
28	4601F30	4833^34	4865^35
26	4638F31	4873^35	4905^35
24	4652F31	4876^35	4908^35
22	4664F31	4877^35	4909^36
20	4676F32	4879^35	4911^36
10	4630^31	4729^33	4762^33
0	4695^32	4798^34	4833^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-170**
Wing A/I ON **-170**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
42	4102F12	4284^22	4314D25
40	4163F13	4370^22	4402D25
38	4221F13	4455^23	4488D26
36	4279F14	4539^23	4572^26
34	4335F14	4616^23	4651^27
32	4388F15	4683F24	4729^27
30	4440F15	4739F24	4803^28
28	4472F16	4774F25	4864^28
26	4504F16	4810F26	4904^29
24	4520F17	4827F26	4908^29
22	4534F17	4842F26	4910^30
20	4548F18	4857F27	4913^30
10	4618F19	4884^29	4922D32
0	4685F21	4875D31	4910D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-1720**
Wing A/I ON **-1720**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
42	4094F12	4279^22	4309D25
40	4155F13	4365^22	4397D25
38	4213F13	4450^22	4483D26
36	4270F14	4533^23	4567^26
34	4327F14	4612^23	4647^27
32	4381F15	4674F24	4725^27
30	4433F15	4730F24	4799^27
28	4465F16	4766F25	4860^28
26	4497F16	4801F26	4900^29
24	4513F17	4818F26	4904^29
22	4527F17	4833F26	4906^29
20	4541F17	4848F27	4908^30
10	4566F19	4729D30	4762D33
0	4642F21	4798D32	4833D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-170**
Wing A/I ON **-170**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3313F97	4150F 4	4231F 7
26	3418F97	4177F 4	4259F 7
24	3507F97	4192F 5	4274F 8
22	3623F97	4204F 5	4287F 8
20	3741F97	4216F 5	4300F 9
18	3833F97	4228F 6	4313F 9
16	3944F97	4241F 6	4327F 9
14	4013F97	4252F 7	4339F10
12	4022F97	4264F 7	4352F10
10	4033F98	4277F 7	4365F11
0	4082F 0	4335F 9	4424F13
-10	4140F 2	4402F11	4496F15
-20	4199F 4	4469F14	4569F17
-30	4257F 6	4540F16	4641F19

High QNH **+60** per .10"
Low QNH **-110** per .10"

Engine A/I ON **-600**
Wing A/I ON **-600**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3529F99	3819F 8	3950F10
26	3566F 0	3861F 8	3990F11
24	3580F 0	3876F 8	4009F11
22	3590F 1	3891F 9	4027F11
20	3601F 1	3902F 9	4047F11
18	3612F 1	3917F 9	4067F12
16	3624F 1	3935F10	4085F12
14	3636F 2	3877F 9	3835F 9
12	3651F 2	3974F10	4125F13
10	3661F 2	3990F11	4145F13
0	3722F 4	4085F12	4240^14
-10	3796F 5	4185F13	4241^14
-20	3864F 7	4196^14	4237^14
-30	3917F 9	4188^14	4229^14

High QNH **+10** per .10"
Low QNH **-130** per .10"

Engine A/I ON **-280**
Wing A/I ON **-280**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 3904 Length 8858 Shift **0** Clearway 0 Stopway 0 Slope +0.03
Rwy Rev. Program Rules FAA **13 Mar 19**

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CIUDAD JUAREZ -CJS 33 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		4700'		**RT H110**	**4904'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	88.3	3287F 6	3517F11	3592F13		3499F 1	3586F 4	4355
40	88.5	3335F 7	3568F12	3646F14		3548F 1	3638F 5	4444
38	88.7	3383F 8	3618F13	3700F14		3596F 2	3689F 5	4530
36	89.0	3431F 8	3669F13	3754F15		3644F 2	3738F 5	4617
34	89.2	3478F 9	3717F14	3802F16		3691F 3	3786F 6	4697
32	89.5	3521F10	3763F15	3849F16		3735F 3	3831F 6	4777
30	89.7	3563F10	3807F15	3894F17		3777F 4	3874F 7	4841
28	89.5	3586F11	3831F16	3919F18		3800F 4	3898F 7	4878
26	89.2	3598F11	3845F16	3933F18		3815F 4	3914F 8	4914
24	88.9	3609F11	3858F16	3946F18		3829F 5	3928F 8	4921
22	88.7	3619F11	3869F16	3958F18		3841F 5	3940F 8	4923
20	88.4	3629F11	3880F17	3969F18		3853F 5	3953F 9	4925
10	86.9	3678F12	3937F18	4023F19	2692F 1	3914F 7	4014F10	4932
0	85.4	3726F13	3990F19	4072F20	3449F 0	3974F 9	4071F12	4923
-10	83.8	3779F15	4042F20	4128F22	3493F 2	4035F11	4128D14	4929
-20	82.2	3833F16	4097F21	4185F23	3796F 2	4097D13	4185D16	4929

High QNH **+50** per .10" Engine A/I ON **-410**
Low QNH **-120** per .10" Wing A/I ON **-410**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 22 -10T	+0	+10H	TO-1 - WET RWY Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
42	91.5	3591^ 4	3701^ 7	3731^ 8	3531^90	3701D 0	3731D 3	3832
40	91.8	3654^ 4	3773^ 8	3804^ 9	3593F90	3773D 0	3804D 3	3912
38	92.3	3715^ 5	3841^ 9	3872^10	3577F91	3839^ 1	3872D 4	3989
36	92.8	3776^ 5	3909^10	3940^10	3548F92	3899^ 1	3940D 4	4067
34	93.1	3834^ 5	3975^11	4008^11	3520F93	3958^ 1	4008D 5	4141
32	93.1	3889^ 6	4035^12	4070^12	3500F93	4014^ 2	4070D 5	4214
30	93.1	3943^ 6	4094^12	4130^13	3479F94	4069^ 2	4130D 5	4272
28	92.9	3970^ 7	4117^13	4152^13	3520F94	4094^ 3	4152D 6	4305
26	92.7	3997^ 8	4139^13	4173^13	3561F95	4120^ 3	4173D 6	4339
24	92.4	4009^ 8	4149^13	4184^13	3588F95	4134^ 4	4184D 7	4345
22	92.1	4017^ 8	4156^13	4190^14	3621F95	4145^ 4	4190D 7	4347
20	91.8	4026^ 9	4161^13	4196^14	3653F95	4156^ 4	4196D 7	4349
10	90.2	4070^10	4191^14	4227^14	3817F97	4191D 6	4227D 9	4355
0	88.6	4103^12	4210^14	4247^14	3977F98	4210D 8	4247D11	4349
-10	87.0	4099^12	4210^14	4247^14	3983F 0	4210D10	4247D14	4355
-20	85.3	4089^12	4204^14	4242^14	4084^ 1	4204D12	4242D15	4356

High QNH **+0** per .10" Engine A/I ON **-1240**
Low QNH **-140** per .10" Wing A/I ON **-1240**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 22 -10T	+0	+10H	+20H
42	91.5	3591^ 4- 6-13	3701^ 7- 7-14	3731^ 8- 8-15	3761^ 8- 8-15
40	91.8	3654^ 4- 6-14	3773^ 8- 8-15	3804^ 9- 9-16	3838^ 9- 9-16
38	92.3	3715^ 5- 7-15	3841^ 9- 9-16	3872^10-10-17	3905^10-10-17
36	92.8	3776^ 5- 8-15	3909^10-10-17	3940^10-10-18	3975^11-11-18
34	93.1	3834^ 5- 9-16	3975^11-11-18	4008^11-11-19	4042^12-12-19
32	93.1	3889^ 6- 9-17	4035^12-12-19	4070^12-12-19	4105^13-13-20
30	93.1	3943^ 6-10-18	4094^12-12-20	4130^13-13-20	4166^13-13-20
28	92.9	3970^ 7-10-18	4117^13-13-20	4152^13-13-20	4187^14-14-21
26	92.7	3997^ 8-11-18	4139^13-13-20	4173^13-13-21	4208^14-14-21
24	92.4	4009^ 8-11-19	4149^13-13-20	4184^13-13-21	4219^14-14-21
22	92.1	4017^ 8-11-19	4156^13-13-20	4190^14-14-21	4226^14-14-21
20	91.8	4026^ 9-11-19	4161^13-13-20	4196^14-14-21	4232^14-14-21
10	90.2	4070^10-12-19	4191^14-14-21	4227^14-14-21	4263^15-15-22
0	88.6	4103^12-12-20	4210^14-14-21	4247^14-14-21	4284^15-15-22
-10	87.0	4099^12-12-20	4210^14-14-21	4247^14-14-21	4285^15-15-22
-20	85.3	4089^12-12-20	4204^14-14-21	4242^14-14-21	4282^15-15-22

High QNH **+0** per .10" Engine A/I ON **-1240**
Low QNH **-140** per .10" Wing A/I ON **-1240**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 3904 Length 5610 Shift **0** Clearway 0 Stopway 0 Slope +0.11
Rwy Rev. Program Rules FAA **13 Mar 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3591^ 4	3701^ 7	3731^ 8	3583^ 3	3696^ 7	3726^ 8			
40	3654^ 4	3773^ 8	3804^ 9	3647^ 4	3767^ 8	3798^ 9			
38	3715^ 5	3841^ 9	3872^10	3707^ 4	3835^ 9	3866^10			
36	3776^ 5	3909^10	3940^10	3769^ 5	3903^10	3935^10			
34	3834^ 5	3975^11	4008^11	3827^ 5	3969^11	4002^11			
32	3889^ 6	4035^12	4070^12	3883^ 6	4030^11	4065^12			
30	3943^ 6	4094^12	4130^13	3937^ 6	4089^12	4126^13			
28	3970^ 7	4117^13	4152^13	3964^ 7	4112^13	4148^13			
26	3997^ 8	4139^13	4173^13	3990^ 8	4134^13	4168^13			
24	4009^ 8	4149^13	4184^13	4002^ 8	4144^13	4178^13			
22	4017^ 8	4156^13	4190^14	4011^ 8	4150^13	4185^14			
20	4026^ 9	4161^13	4196^14	4019^ 8	4156^13	4191^14			
10	4070^10	4191^14	4227^14	3971^11	4075^12	4109^13			
0	4103^12	4210^14	4247^14	4038^12	4145^13	4181^14			
	High QNH **+0** per .10" Low QNH **-140** per .10"			High QNH **+0** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1240** Wing A/I ON **-1240**			Engine A/I ON **-70** Wing A/I ON **-70**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3531^90	3701D 0	3731D 3	3526^90	3696D 0	3726D 3			
40	3593F90	3773D 0	3804D 3	3587F90	3767D 0	3798D 3			
38	3577F91	3839^ 1	3872D 4	3568F91	3833^ 0	3866D 4			
36	3548F92	3899^ 1	3940D 4	3538F92	3894^ 1	3935D 4			
34	3520F93	3958^ 1	4008D 5	3511F93	3952^ 1	4002D 4			
32	3500F93	4014^ 2	4070D 5	3491F93	4009^ 2	4065D 5			
30	3479F94	4069^ 2	4130D 5	3471F94	4065^ 2	4126D 5			
28	3520F94	4094^ 3	4152D 6	3512F94	4089^ 3	4148D 6			
26	3561F95	4120^ 3	4173D 6	3553F95	4115^ 3	4168D 6			
24	3588F95	4134^ 4	4184D 7	3580F95	4129^ 3	4178D 7			
22	3621F95	4145^ 4	4190D 7	3613F95	4140^ 4	4185D 7			
20	3653F95	4156^ 4	4196D 7	3646F95	4150^ 4	4191D 7			
10	3817F97	4191D 6	4227D 9	3809F96	4075D 6	4109D10			
0	3977F98	4210D 8	4247D11	3969F98	4145D 8	4181D12			
	High QNH **+0** per .10" Low QNH **-140** per .10"			High QNH **+0** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1240** Wing A/I ON **-1240**			Engine A/I ON **-70** Wing A/I ON **-70**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps -10T	+0	+10H	LEVEL 2 CONTAM Flaps -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28									
26									
24									
22									
20									
18									
16									
14									
12									
10									
0									
-10									
-20									
-30									
	High QNH per .10" Low QNH per .10"			High QNH per .10" Low QNH per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON Wing A/I ON			Engine A/I ON Wing A/I ON			Engine A/I ON Wing A/I ON		

Elevation 3904 Length 5610 Shift **0** Clearway 0 Stopway 0 Slope +0.11

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CIUDAD OBREGON -CEN 13 *DT H128*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1205'		**DT H128**	**1205'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4113F22	4361F27	4442F28
46	87.7	4185F23	4437F28	4521F29
44	87.7	4234F24	4488F28	4574F30
42	87.5	4258F24	4514F29	4601F30
40	87.3	4278F24	4535F29	4622F30
38	87.0	4288F24	4547F29	4634F31
36	86.7	4299F25	4559F29	4645F31
34	86.5	4309F25	4570F29	4657F31
32	86.2	4320F25	4580F30	4669F31
30	85.9	4331F25	4592F30	4681F31
20	84.5	4386F26	4652F31	4743F32
10	83.0	4442F27	4711F32	4805F34
0	81.5	4503F28	4777F33	4873F35
-10	80.0	4559F29	4840F34	4933^36
-20	78.5	4619F30	4885^35	4927^36
-30	76.9	4678F31	4875^35	4919^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4052F 9	4340F19	4438F22	4690
46	87.7	4120F10	4411F19	4512F23	4807
44	87.7	4166F10	4460F20	4561F23	4879
42	87.5	4191F11	4486F20	4588F23	4943
40	87.3	4211F11	4509F21	4611F24	4958
38	87.0	4223F11	4521F21	4624F24	4960
36	86.7	4234F12	4534F21	4637F24	4962
34	86.5	4244F12	4547F22	4650F25	4964
32	86.2	4256F12	4561F22	4664F25	4966
30	85.9	4268F13	4574F22	4678F25	4968
20	84.5	4330F14	4641F24	4743D27	4976
10	83.0	4392F16	4709F26	4805D29	4972
0	81.5	4460F18	4777D28	4873D31	4984
-10	80.0	4527F20	4840D30	4933D33	4987
-20	78.5	4595F22	4885D32	4927D35	4984
-30	76.9	4665F24	4875D34	4919D36	4981

High QNH **+0** per .10" Engine A/I ON **-780**
Low QNH **-150** per .10" Wing A/I ON **-780**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4207F24	4454F28	4539F30
46	90.9	4283F25	4535F29	4621F31
44	90.9	4343F26	4598F30	4686F32
42	90.7	4387F26	4645F31	4733F32
40	90.4	4409F27	4668F31	4757F33
38	90.2	4424F27	4684F31	4773F33
36	89.9	4435F27	4695F32	4785F33
34	89.6	4445F27	4707F32	4797F33
32	89.3	4457F27	4719F32	4810F34
30	89.0	4468F28	4731F32	4822F34
20	87.5	4526F29	4792F33	4885F35
10	86.0	4581F30	4851F34	4945^36
0	84.4	4642F31	4911^35	4950^36
-10	82.9	4701F32	4909^35	4949^36
-20	81.3	4761F33	4900^35	4942^36
-30	79.7	4763^33	4890^35	4934^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4118F11	4416F20	4517F23	4690
46	90.9	4188F11	4491F21	4594F24	4807
44	90.9	4241F12	4548F22	4654F25	4879
42	90.7	4278F12	4590F22	4697F25	4943
40	90.4	4300F13	4614F23	4722F26	4958
38	90.2	4315F13	4630F23	4739F26	4960
36	89.9	4327F13	4644F23	4753F26	4962
34	89.6	4340F14	4657F24	4767F27	4964
32	89.3	4352F14	4671F24	4782F27	4966
30	89.0	4365F14	4685F24	4797F28	4968
20	87.5	4431F16	4757F26	4871F29	4976
10	86.0	4496F18	4830F28	4944^31	4972
0	84.4	4569F20	4910F30	4950D34	4984
-10	82.9	4638F22	4909D32	4949D36	4987
-20	81.3	4711F24	4900D35	4942D36	4984
-30	79.7	4760^26	4890D35	4934D36	4981

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4207F24-24-34	4454F28-28-38	4539F30-30-39	4628F31-31-40
46	90.9	4283F25-25-35	4535F29-29-39	4621F31-31-40	4711F32-32-42
44	90.9	4343F26-26-36	4598F30-30-40	4686F32-32-41	4776F33-33-43
42	90.7	4387F26-26-37	4645F31-31-41	4733F32-32-42	4825F34-34-43
40	90.4	4409F27-27-37	4668F31-31-41	4757F33-33-42	4849F34-34-44
38	90.2	4424F27-27-37	4684F31-31-41	4773F33-33-42	4864F35-35-44
36	89.9	4435F27-27-38	4695F32-32-41	4785F33-33-43	4876F35-35-44
34	89.6	4445F27-27-38	4707F32-32-42	4797F33-33-43	4889F35-35-44
32	89.3	4457F27-27-38	4719F32-32-42	4810F34-34-43	4902F35-35-44
30	89.0	4468F28-28-38	4731F32-32-42	4822F34-34-43	4915F35-35-45
20	87.5	4526F29-29-39	4792F33-33-43	4885F35-35-44	4976C36-36-45
10	86.0	4581F30-30-40	4851F34-34-44	4945^36-36-45	4972C36-36-45
0	84.4	4642F31-31-41	4911^35-35-44	4950^36-36-45	4984C36-36-46
-10	82.9	4701F32-32-41	4909^35-35-44	4949^36-36-45	5003C43-43-52
-20	81.3	4761F33-33-42	4900^35-35-44	4974F42-42-51	4999C43-43-52
-30	79.7	4763^33-33-42	4943F42-42-51	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 205 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.20
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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4207F24	4454F28	4539F30	4197F24	4444F28	4529F30			
46	4283F25	4535F29	4621F31	4273F25	4524F29	4611F31			
44	4343F26	4598F30	4686F32	4333F25	4588F30	4675F32			
42	4387F26	4645F31	4733F32	4377F26	4634F31	4722F32			
40	4409F27	4668F31	4757F33	4399F26	4657F31	4746F33			
38	4424F27	4684F31	4773F33	4414F27	4673F31	4763F33			
36	4435F27	4695F32	4785F33	4425F27	4685F32	4775F33			
34	4445F27	4707F32	4797F33	4436F27	4697F32	4787F33			
32	4457F27	4719F32	4810F34	4447F27	4709F32	4799F33			
30	4468F28	4731F32	4822F34	4458F27	4721F32	4812F34			
20	4526F29	4792F33	4885F35	4516F28	4782F33	4874F35			
10	4581F30	4851F34	4945^36	4538F29	4809F34	4861^35			
0	4642F31	4911^35	4950^36	4600F30	4826^34	4864^35			
-10	4701F32	4909^35	4949^36	4656F31	4822^34	4861^35			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-850** Wing A/I ON **-850**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4118F11	4416F20	4517F23	4111F11	4408F20	4509F23			
46	4188F11	4491F21	4594F24	4181F11	4483F21	4585F24			
44	4241F12	4548F22	4654F25	4235F12	4539F21	4644F24			
42	4278F12	4590F22	4697F25	4271F12	4581F22	4688F25			
40	4300F13	4614F23	4722F26	4293F13	4605F22	4713F26			
38	4315F13	4630F23	4739F26	4308F13	4622F23	4731F26			
36	4327F13	4644F23	4753F26	4320F13	4636F23	4745F26			
34	4340F14	4657F24	4767F27	4333F14	4649F24	4759F27			
32	4352F14	4671F24	4782F27	4345F14	4663F24	4773F27			
30	4365F14	4685F24	4797F28	4358F14	4677F24	4788F27			
20	4431F16	4757F26	4871F29	4424F16	4749F26	4863F29			
10	4496F18	4830F28	4944^31	4458F18	4790F28	4861D31			
0	4569F20	4910F30	4950D34	4529F20	4826D30	4864D34			
-10	4638F22	4909D32	4949D36	4598F22	4822D33	4861D35			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-850** Wing A/I ON **-850**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4060F 3	4153F 6	3095F 0	3704F 7	3892F 9			
26		4072F 3	4165F 6	3114F 0	3722F 7	3913F 9			
24		4084F 3	4178F 7	3132F 0	3743F 7	3933F10			
22		4095F 4	4188F 7	3148F 1	3761F 8	3954F10			
20		4105F 4	4201F 7	3166F 1	3780F 8	3975F10			
18		4117F 4	4213F 8	3183F 1	3806F 8	3996F10			
16		4129F 5	4226F 8	3202F 1	3827F 8	4017F11			
14		4141F 5	4238F 9	3221F 2	3851F 9	4037F11			
12		4152F 6	4250F 9	3243F 2	3867F 9	4056F11			
10	2822F99	4164F 6	4263F 9	3264F 2	3892F 9	4073F12			
0	3957F98	4230F 8	4333F11	3389F 3	4003F11	4175F13			
-10	4015F 0	4296F10	4402F14	3549F 4	4102F12	4279F15			
-20	4072F 2	4364F12	4476F16	3646F 6	4206F14	4275^15			
-30	4129F 4	4435F14	4551F18		4219^14	4267^14			
	High QNH **+60** per .10" Low QNH **-60** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-430** Wing A/I ON **-430**			Engine A/I ON **-580** Wing A/I ON **-580**			Engine A/I ON Wing A/I ON		

Elevation 205 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.20

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CIUDAD OBREGON -CEN 31 *LT H270*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1205'		**LT H270**	**1205'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4161F23	4413F27	4499F29
46	87.7	4234F24	4489F28	4579F30
44	87.7	4283F24	4538F29	4630F31
42	87.5	4308F25	4565F29	4657F31
40	87.3	4328F25	4587F30	4679F31
38	87.0	4338F25	4598F30	4691F32
36	86.7	4349F25	4610F30	4704F32
34	86.5	4360F26	4622F30	4716F32
32	86.2	4370F26	4635F31	4728F32
30	85.9	4381F26	4647F31	4741F32
20	84.5	4436F27	4711F32	4804F33
10	83.0	4493F28	4772F33	4861^34
0	81.5	4555F29	4839F34	4912^35
-10	80.0	4615F30	4898^35	4938^36
-20	78.5	4677F31	4890^35	4932^36
-30	76.9	4740F32	4880^35	4924^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4089F 9	4379F19	4482F22	4690
4158F 9	4452F19	4555F22	4807
4205F10	4501F20	4606F23	4879
4230F10	4527F20	4631F23	4943
4251F11	4550F20	4654F23	4958
4262F11	4563F21	4668F24	4960
4272F11	4576F21	4681F24	4962
4284F11	4589F21	4695F24	4964
4296F12	4601F22	4709F25	4966
4308F12	4615F22	4724F25	4968
4371F14	4685F24	4795F27	4976
4433F16	4756F26	4859^29	4972
4502F18	4832F28	4912D31	4984
4570F20	4897^29	4938D33	4987
4640F21	4890D32	4932D36	4984
4713F23	4880D35	4924D36	4981

High QNH **+0** per .10" — Low QNH **-160** per .10"
Engine A/I ON **-840** — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4256F25	4510F29	4586^31
46	90.9	4332F26	4592F30	4680F32
44	90.9	4393F26	4656F31	4745F33
42	90.7	4436F27	4703F32	4787^33
40	90.4	4458F27	4727F32	4810^34
38	90.2	4474F28	4743F32	4821^34
36	89.9	4484F28	4755F33	4830^34
34	89.6	4495F28	4767F33	4839^34
32	89.3	4507F28	4779F33	4847^34
30	89.0	4518F29	4791F33	4857^34
20	87.5	4577F30	4843^34	4903^35
10	86.0	4636F31	4883^35	4943^36
0	84.4	4701F32	4916^35	4955^36
-10	82.9	4763F33	4914^35	4953^36
-20	81.3	4782^33	4905^35	4946^36
-30	79.7	4767^33	4895^35	4938^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4154F10	4457F20	4559F23	4690
4225F11	4531F21	4636F24	4807
4278F11	4589F21	4697F24	4879
4315F12	4630F22	4740F25	4943
4338F12	4654F22	4765F25	4958
4353F13	4671F23	4782F26	4960
4365F13	4685F23	4796F26	4962
4378F13	4699F23	4807^26	4964
4390F14	4714F24	4819^27	4966
4403F14	4728F24	4830^27	4968
4469F16	4801F26	4889^29	4976
4535F18	4860^28	4943D31	4972
4607F20	4915^30	4955D34	4984
4680F22	4914D32	4953D36	4987
4756F24	4905D35	4946D36	4984
4765^26	4895D35	4938D36	4981

High QNH **+0** per .10" — Low QNH **-160** per .10"
Engine A/I ON **-860** — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4256F25-25-35	4510F29-29-39	4586^31-31-40	4643^32-32-41
46	90.9	4332F26-26-36	4592F30-30-40	4680F32-32-41	4738^33-33-42
44	90.9	4393F26-26-37	4656F31-31-41	4745F33-33-42	4804^34-34-43
42	90.7	4436F27-27-38	4703F32-32-41	4787^33-33-43	4845^34-34-44
40	90.4	4458F27-27-38	4727F32-32-42	4810^34-34-43	4869^35-35-44
38	90.2	4474F28-28-38	4743F32-32-42	4821^34-34-43	4881^35-35-44
36	89.9	4484F28-28-38	4755F33-33-42	4830^34-34-43	4890^35-35-44
34	89.6	4495F28-28-38	4767F33-33-42	4839^34-34-43	4898^35-35-44
32	89.3	4507F28-28-39	4779F33-33-43	4847^34-34-44	4908^35-35-44
30	89.0	4518F29-29-39	4791F33-33-43	4857^34-34-44	4917^35-35-45
20	87.5	4577F30-30-40	4843^34-34-43	4903^35-35-44	4963^36-36-45
10	86.0	4636F31-31-41	4883^35-35-44	4943^36-36-45	4972C36-36-45
0	84.4	4701F32-32-41	4916^35-35-45	4955^36-36-45	4984C36-36-46
-10	82.9	4763F33-33-42	4914^35-35-45	4962^42-42-51	5003C43-43-52
-20	81.3	4782^33-33-43	4940F42-42-51	4999C43-43-52	4999C43-43-52
-30	79.7	4767^33-33-42	4988^42-42-51	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Low QNH **-160** per .10"
Engine A/I ON **-850** — Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 205 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope -0.20
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4256F25	4510F29	4586^31	4246F24	4500F29	4578^30			
46	4332F26	4592F30	4680F32	4322F25	4581F30	4669F32			
44	4393F26	4656F31	4745F33	4383F26	4645F31	4734F33			
42	4436F27	4703F32	4787^33	4427F27	4693F32	4778^33			
40	4458F27	4727F32	4810^34	4448F27	4716F32	4801^34			
38	4474F28	4743F32	4821^34	4463F28	4733F32	4814^34			
36	4484F28	4755F33	4830^34	4474F28	4744F33	4822^34			
34	4495F28	4767F33	4839^34	4486F28	4756F33	4831^34			
32	4507F28	4779F33	4847^34	4497F28	4768F33	4840^34			
30	4518F29	4791F33	4857^34	4508F28	4781F33	4849^34			
20	4577F30	4843^34	4903^35	4568F29	4836^34	4896^35			
10	4636F31	4883^35	4943^36	4594F30	4824^34	4865^35			
0	4701F32	4916^35	4955^36	4660F31	4830^34	4868^35			
-10	4763F33	4914^35	4953^36	4708^32	4826^34	4866^35			
	High QNH +0 per .10" Low QNH -160 per .10"			High QNH +0 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4154F10	4457F20	4559F23	4148F10	4449F20	4551F23			
46	4225F11	4531F21	4636F24	4218F11	4523F20	4627F24			
44	4278F11	4589F21	4697F24	4271F11	4581F21	4688F24			
42	4315F12	4630F22	4740F25	4308F12	4621F22	4731F25			
40	4338F12	4654F22	4765F25	4331F12	4645F22	4756F25			
38	4353F13	4671F23	4782F26	4346F12	4663F22	4774F26			
36	4365F13	4685F23	4796F26	4358F13	4677F23	4788F26			
34	4378F13	4699F23	4807^26	4371F13	4691F23	4802F26			
32	4390F14	4714F24	4819^27	4383F14	4706F24	4811^27			
30	4403F14	4728F24	4830^27	4396F14	4720F24	4824^27			
20	4469F16	4801F26	4889^29	4462F16	4793F26	4882^29			
10	4535F18	4860^28	4943D31	4497F18	4807^28	4865D31			
0	4607F20	4915^30	4955D34	4571F20	4830D30	4868D34			
-10	4680F22	4914D32	4953D36	4640F21	4826D33	4866D35			
	High QNH +0 per .10" Low QNH -160 per .10"			High QNH +0 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4092F 1	4186F 5	3134F98	3745F 6	3923F 8			
26		4105F 2	4199F 5	3151F99	3765F 6	3938F 9			
24		4117F 2	4211F 5	3171F99	3785F 6	3954F 9			
22		4129F 2	4223F 6	3183F99	3807F 7	3970F 9			
20		4140F 3	4236F 6	3207F99	3830F 7	3989F10			
18		4151F 3	4248F 7	3228F 0	3853F 7	4000F10			
16		4163F 4	4258F 7	3243F 0	3870F 7	4016F10			
14		4173F 4	4271F 7	3268F 0	3887F 8	4030F11			
12		4186F 4	4284F 8	3292F 0	3903F 8	4030F11			
10		4197F 5	4296F 8	3317F 1	3923F 8	4061F11			
0	3086F99	4263F 7	4367F10	3453F 2	4009F10	4157F13			
-10	3807F 0	4330F 9	4437F12	3595F 3	4083F12	4261F14			
-20	4103F 1	4399F11	4510F15	3688F 5	4186F13	4277^15			
-30	4162F 3	4470F13	4586F17	3771F 6	4221^14	4269^15			
	High QNH +50 per .10" Low QNH -60 per .10"			High QNH +0 per .10" Low QNH -100 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -440 Wing A/I ON -440			Engine A/I ON -600 Wing A/I ON -600			Engine A/I ON Wing A/I ON		

Elevation	205	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.20
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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COLIMA -CLQ 07 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		**D6.1 COL**		**RT COL**	**3800'**	**LEFT TURNS**

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
44	87.9	3880F18	4109F23	4187F24	3824F 6	4094F15	4185F18	4505
42	88.2	3941F19	4174F23	4253F25	3881F 7	4153F16	4247F19	4600
40	88.5	4000F20	4238F24	4319F26	3938F 7	4213F16	4309F19	4694
38	88.5	4059F21	4299F25	4381F27	3994F 8	4271F17	4369F20	4784
36	88.4	4104F21	4346F26	4430F27	4037F 8	4317F17	4416F20	4861
34	88.4	4136F22	4380F26	4462F28	4068F 8	4350F18	4449F21	4930
32	88.4	4157F22	4402F27	4485F28	4088F 9	4372F18	4472F21	4940
30	88.3	4167F22	4413F27	4497F28	4100F 9	4385F19	4485F22	4941
28	88.0	4177F22	4425F27	4508F28	4111F 9	4398F19	4498F22	4943
26	87.7	4188F23	4437F27	4520F29	4123F10	4411F19	4512F22	4944
24	87.4	4199F23	4449F27	4532F29	4135F10	4425F20	4525F23	4946
20	86.8	4220F23	4472F28	4556F29	4158F11	4452F20	4551F23	4949
10	85.3	4274F24	4529F29	4616F30	4216F12	4518F22	4616D25	4952
0	83.8	4327F25	4586F30	4675F31	4278F14	4583F24	4675D27	4947
-10	82.3	4385F26	4648F31	4740F32	4344F16	4648D26	4740D29	4953
-20	80.7	4442F27	4706^32	4763^33	4410F18	4706D28	4763D31	4951

High QNH **+30** per .10" Engine A/I ON **-430**
Low QNH **-150** per .10" Wing A/I ON **-430**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
44	91.2	3967F20	4197F24	4276F26	3886F 7	4164F17	4260F20	4505
42	91.5	4029F21	4264F25	4344F27	3945F 8	4227F17	4324F20	4600
40	91.9	4092F22	4331F26	4412F27	4003F 8	4289F18	4387F21	4694
38	92.1	4152F22	4393F27	4475F28	4059F 9	4348F18	4447F21	4784
36	92.2	4204F23	4448F28	4531F29	4106F 9	4399F19	4500F22	4861
34	92.2	4244F24	4489F28	4573F30	4142F10	4438F19	4538F22	4930
32	91.9	4272F24	4519F29	4603F30	4168F10	4467F20	4567F23	4940
30	91.7	4294F25	4542F29	4627F31	4187F11	4489F21	4591F24	4941
28	91.4	4305F25	4553F29	4639F31	4199F11	4502F21	4605F24	4943
26	91.1	4315F25	4565F29	4651F31	4211F11	4514F21	4619F24	4944
24	90.8	4326F25	4577F30	4663F31	4224F12	4527F22	4633F25	4946
20	90.2	4349F26	4600F30	4688F32	4247F12	4555F22	4662F25	4949
10	88.6	4404F27	4660F31	4735^32	4311F14	4625F24	4734^27	4952
0	87.0	4459F28	4687^32	4742^33	4375F16	4686^26	4742D30	4947
-10	85.4	4516F29	4701^32	4757^33	4446F18	4701D28	4757D32	4953
-20	83.8	4545^29	4711^32	4768^33	4513F20	4711D31	4768D33	4951

High QNH **+20** per .10" Engine A/I ON **-640**
Low QNH **-150** per .10" Wing A/I ON **-640**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
44	91.2	3967F20-20-30	4197F24-24-34	4276F26-26-35	4328^27-27-36
42	91.5	4029F21-21-31	4264F25-25-35	4344F27-27-36	4414^28-28-37
40	91.9	4092F22-22-32	4331F26-26-36	4412F27-27-37	4495F29-29-38
38	92.1	4152F22-22-33	4393F27-27-37	4475F28-28-38	4561F30-30-39
36	92.2	4204F23-23-34	4448F28-28-38	4531F29-29-39	4617F31-31-40
34	92.2	4244F24-24-35	4489F28-28-38	4573F30-30-40	4660F31-31-41
32	91.9	4272F24-24-35	4519F29-29-39	4603F30-30-40	4691F32-32-41
30	91.7	4294F25-25-35	4542F29-29-39	4627F31-31-40	4715F32-32-42
28	91.4	4305F25-25-36	4553F29-29-39	4639F31-31-41	4728F32-32-42
26	91.1	4315F25-25-36	4565F29-29-40	4651F31-31-41	4740F33-33-42
24	90.8	4326F25-25-36	4577F30-30-40	4663F31-31-41	4753F33-33-42
20	90.2	4349F26-26-36	4600F30-30-40	4688F32-32-41	4774^33-33-43
10	88.6	4404F27-27-37	4660F31-31-41	4735^32-32-42	4790^33-33-43
0	87.0	4459F28-28-38	4687^32-32-41	4742^33-33-42	4799^34-34-43
-10	85.4	4516F29-29-39	4701^32-32-42	4757^33-33-42	4816^34-34-43
-20	83.8	4545^29-29-39	4711^32-32-42	4771F39-39-48	4862F40-40-50

High QNH **+20** per .10" Engine A/I ON **-640**
Low QNH **-150** per .10" Wing A/I ON **-640**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 2467 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.50
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
44	3967F20	4168^24	4222^25	3957F20	4187F24	4266F25			
42	4029F21	4253^25	4308^26	4019F20	4254F25	4334F26			
40	4092F22	4331F26	4391^27	4082F21	4321F26	4402F27			
38	4152F22	4393F27	4473^28	4143F22	4385F27	4465F28			
36	4204F23	4448F28	4531F29	4195F23	4438F27	4521F29			
34	4244F24	4489F28	4573F30	4236F24	4482F28	4566F30			
32	4272F24	4519F29	4603F30	4263F24	4510F29	4595F30			
30	4294F25	4542F29	4627F31	4284F24	4532F29	4617F30			
28	4305F25	4553F29	4639F31	4295F25	4543F29	4629F31			
26	4315F25	4565F29	4644^31	4306F25	4555F29	4641F31			
24	4326F25	4577F30	4646^31	4317F25	4567F30	4653F31			
20	4349F26	4592^30	4651^31	4339F25	4590F30	4678F31			
10	4404F27	4598^30	4658^31	4368F26	4605^30	4659^31			
0	4420^27	4597^30	4658^31	4415F27	4622^31	4677^32			
	High QNH +20 per .10" Low QNH -150 per .10"			High QNH +20 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -680 Wing A/I ON -680			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
44	3886F 7	4164F17	4222D20	3879F 7	4156F17	4251F20			
42	3945F 8	4227F17	4307^20	3937F 8	4218F17	4315F20			
40	4003F 8	4289F18	4387F21	3996F 8	4281F18	4378F21			
38	4059F 9	4348F18	4447F21	4052F 9	4340F18	4439F21			
36	4106F 9	4399F19	4500F22	4099F 9	4391F19	4491F22			
34	4142F10	4438F19	4538F22	4137F10	4432F19	4532F22			
32	4168F10	4467F20	4567F23	4162F10	4460F20	4560F23			
30	4187F11	4489F21	4591F24	4181F11	4481F20	4582F23			
28	4199F11	4502F21	4605F24	4193F11	4494F21	4596F24			
26	4211F11	4514F21	4619F24	4205F11	4506F21	4610F24			
24	4224F12	4527F22	4633F25	4217F12	4519F21	4625F24			
20	4247F12	4555F22	4650^25	4240F12	4547F22	4654F25			
10	4311F14	4596^24	4658D28	4278F14	4591F24	4659D27			
0	4375F16	4597D27	4658D30	4338F16	4622^26	4677D30			
	High QNH +20 per .10" Low QNH -150 per .10"			High QNH +20 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -670 Wing A/I ON -670			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3300F91	4094F98	4205F 1	2917F98	3437F 5	3635F 7			
26	3335F91	4107F99	4218^ 2	2931F98	3470F 5	3649F 7			
24	3369F92	4121F99	4220^ 2	2946F98	3501F 5	3670F 8			
22	3405F92	4135F99	4222^ 3	2961F99	3533F 5	3695F 8			
20	3441F92	4148F 0	4225^ 3	2976F99	3558F 6	3722F 8			
18	3476F92	4163F 0	4228^ 3	2991F99	3571F 6	3750F 8			
16	3520F93	4177F 0	4230^ 4	3004F 0	3584F 6	3781F 8			
14	3561F93	4184^ 1	4232^ 4	3022F 0	3604F 7	3811F 9			
12	3607F93	4185^ 1	4233^ 5	3036F 0	3618F 7	3842F 9			
10	3653F93	4184^ 2	4232^ 5	3049F 0	3636F 7	3866F 9			
0	3858F95	4185^ 4	4235^ 7	3140F 2	3757F 8	3975F10			
-10	3894F97	4192^ 6	4244^10	3239F 3	3901F 9	4074F12			
-20	4043^98	4195^ 8	4248D12	3347F 4	4008F11	4176F13			
-30	4038^ 0	4195^11	4237D14	3511F 5	4112F12	4201^14			
	High QNH +10 per .10" Low QNH -70 per .10"			High QNH +60 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -630 Wing A/I ON -630			Engine A/I ON -210 Wing A/I ON -210			Engine A/I ON Wing A/I ON		

Elevation 2467 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.50

Rwy Rev. Program Rules FAA **26 Oct 17**

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COLIMA -CLQ 25 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.8 COL	***3467'**	****RT COL**	**3467'**	**STD**

*USE ONLY IF COL DME OTS; **IF COL VOR OTS LT H230

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
44	87.9	3993F20	4232F25	4317F26
42	88.2	4055F21	4297F26	4382F27
40	88.5	4117F22	4362F27	4448F28
38	88.5	4177F23	4424F27	4510F29
36	88.4	4224F23	4471F28	4559F30
34	88.4	4256F24	4505F28	4594F30
32	88.4	4277F24	4528F29	4618F30
30	88.3	4288F24	4540F29	4630F31
28	88.0	4299F25	4553F29	4643F31
26	87.7	4310F25	4565F29	4656F31
24	87.4	4321F25	4577F30	4669F31
20	86.8	4344F25	4603F30	4695F32
10	85.3	4400F26	4667F31	4762F33
0	83.8	4454F27	4730F32	4827F34
-10	82.3	4515F29	4799F33	4895F35
-20	80.7	4575F30	4864F35	4908^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3913F 5	4187F15	4284F18	4505
3972F 6	4249F15	4347F18	4600
4030F 6	4310F16	4409F19	4694
4087F 6	4369F16	4469F19	4784
4131F 7	4416F17	4517F20	4861
4162F 7	4449F17	4551F20	4930
4184F 8	4472F17	4573F21	4940
4195F 8	4486F18	4586F21	4941
4207F 8	4499F18	4600F21	4943
4219F 9	4512F18	4615F22	4944
4231F 9	4526F19	4629F22	4946
4256F10	4554F20	4658F23	4949
4316F11	4622F21	4731F24	4952
4378F13	4694F23	4806F26	4947
4446F15	4771F25	4884F28	4953
4514F17	4848F27	4908D31	4951

High QNH **+30** per .10" — Engine A/I ON **-430**
Low QNH **-150** per .10" — Wing A/I ON **-430**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
44	91.2	4082F22	4327F27	4413F28
42	91.5	4147F23	4394F27	4482F29
40	91.9	4211F24	4462F28	4548F30
38	92.1	4273F25	4523F29	4613F31
36	92.2	4326F25	4580F30	4671F32
34	92.2	4366F26	4623F31	4714F32
32	91.9	4395F26	4654F31	4746F33
30	91.7	4418F27	4679F31	4772F33
28	91.4	4428F27	4692F32	4785F33
26	91.1	4439F27	4704F32	4798F34
24	90.8	4451F27	4717F32	4812F34
20	90.2	4474F28	4743F33	4838F34
10	88.6	4533F29	4810F34	4901F35
0	87.0	4590F30	4872F35	4927^36
-10	85.4	4655F31	4891^35	4928^36
-20	83.8	4717F32	4884^35	4922^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3973F 6	4258F16	4358F19	4505
4032F 7	4320F16	4422F20	4600
4092F 7	4383F17	4486F20	4694
4148F 8	4442F17	4546F21	4784
4197F 8	4494F18	4597F21	4861
4233F 9	4533F19	4638F22	4930
4259F 9	4562F19	4668F22	4940
4278F 9	4583F20	4692F23	4941
4291F10	4597F20	4706F23	4943
4303F10	4611F20	4721F23	4944
4314F10	4626F21	4736F24	4946
4340F11	4655F21	4767F24	4949
4405F13	4729F23	4844F26	4952
4471F15	4804F25	4919F28	4947
4543F17	4885F27	4927^31	4953
4614F19	4883^30	4922D33	4951

High QNH **+10** per .10" — Engine A/I ON **-590**
Low QNH **-150** per .10" — Wing A/I ON **-590**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
44	91.2	4082F22-22-32	4327F27-27-36	4413F28-28-37	4496F30-30-39
42	91.5	4147F23-23-33	4394F27-27-37	4482F29-29-38	4567F31-31-40
40	91.9	4211F24-24-34	4462F28-28-38	4548F30-30-39	4638F32-32-41
38	92.1	4273F25-25-35	4523F29-29-39	4613F31-31-40	4705F32-32-42
36	92.2	4326F25-25-36	4580F30-30-40	4671F32-32-41	4763F33-33-42
34	92.2	4366F26-26-37	4623F31-31-40	4714F32-32-42	4807F34-34-43
32	91.9	4395F26-26-37	4654F31-31-41	4746F33-33-42	4839F34-34-43
30	91.7	4418F27-27-37	4679F31-31-41	4772F33-33-43	4864F35-35-44
28	91.4	4428F27-27-37	4692F32-32-41	4785F33-33-43	4877F35-35-44
26	91.1	4439F27-27-38	4704F32-32-42	4798F34-34-43	4890F35-35-44
24	90.8	4451F27-27-38	4717F32-32-42	4812F34-34-43	4902F35-35-44
20	90.2	4474F28-28-38	4743F33-33-42	4838F34-34-43	4929F36-36-45
10	88.6	4533F29-29-39	4810F34-34-43	4901F35-35-44	4952C36-36-45
0	87.0	4590F30-30-40	4872F35-35-44	4927^36-36-45	4947C36-36-45
-10	85.4	4655F31-31-41	4891^35-35-44	4928^36-36-45	4953C36-36-45
-20	83.8	4717F32-32-42	4884^35-35-44	4923F41-41-51	4977C42-42-51

High QNH **+10** per .10" — Engine A/I ON **-590**
Low QNH **-150** per .10" — Wing A/I ON **-590**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	2467	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.50
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
44	4082F22	4327F27	4413F28	4072F22	4316F26	4402F28			
42	4147F23	4394F27	4482F29	4137F23	4383F27	4471F29			
40	4211F24	4462F28	4548F30	4201F24	4451F28	4537F30			
38	4273F25	4523F29	4613F31	4263F24	4513F29	4602F31			
36	4326F25	4580F30	4671F32	4316F25	4569F30	4660F31			
34	4366F26	4623F31	4714F32	4359F26	4615F30	4706F32			
32	4395F26	4654F31	4746F33	4387F26	4645F31	4736F32			
30	4418F27	4679F31	4772F33	4408F27	4668F31	4761F33			
28	4428F27	4692F32	4785F33	4420F27	4681F32	4774F33			
26	4439F27	4704F32	4798F34	4429F27	4694F32	4787F33			
24	4451F27	4717F32	4812F34	4441F27	4707F32	4801F34			
20	4474F28	4743F33	4838F34	4464F28	4733F32	4827F34			
10	4533F29	4810F34	4901F35	4495F28	4771F33	4859^35			
0	4590F30	4872F35	4927^36	4548F29	4811^34	4847^35			
	High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH **+10** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-590** Wing A/I ON **-590**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
44	3973F 6	4258F16	4358F19	3966F 6	4249F16	4350F19			
42	4032F 7	4320F16	4422F20	4025F 7	4312F16	4413F19			
40	4092F 7	4383F17	4486F20	4085F 7	4375F17	4477F20			
38	4148F 8	4442F17	4546F21	4142F 8	4434F17	4538F20			
36	4197F 8	4494F18	4597F21	4190F 8	4486F18	4589F21			
34	4233F 9	4533F19	4638F22	4228F 8	4527F18	4632F22			
32	4259F 9	4562F19	4668F22	4253F 9	4555F19	4661F22			
30	4278F 9	4583F20	4692F23	4272F 9	4575F19	4684F23			
28	4291F10	4597F20	4706F23	4284F10	4589F20	4698F23			
26	4303F10	4611F20	4721F23	4297F10	4603F20	4713F23			
24	4314F10	4626F21	4736F24	4309F10	4618F20	4728F24			
20	4340F11	4655F21	4767F24	4333F11	4647F21	4758F24			
10	4405F13	4729F23	4844F26	4371F13	4695F23	4808F26			
0	4471F15	4804F25	4919F28	4432F15	4764F25	4844^28			
	High QNH **+80** per .10" Low QNH **-150** per .10"			High QNH **+80** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-400** Wing A/I ON **-400**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4061F96	4227^99	2988F95	3570F 2	3728F 5			
26		4088F96	4230^99	3003F95	3586F 2	3746F 5			
24		4122F97	4232^ 0	3021F95	3600F 3	3767F 5			
22		4154F97	4234^ 0	3039F96	3619F 3	3791F 5			
20		4184F97	4237^ 1	3057F96	3636F 3	3813F 6			
18	2666F92	4193^98	4239^ 1	3075F96	3654F 4	3837F 6			
16	3164F91	4195^98	4241^ 1	3093F96	3672F 4	3855F 6			
14	3219F91	4196^98	4242^ 2	3111F97	3691F 4	3870F 7			
12	3312F92	4197^99	4243^ 2	3128F97	3710F 4	3887F 7			
10	3382F92	4195^99	4241^ 3	3141F97	3729F 5	3903F 7			
0	3553F93	4193^ 1	4241^ 5	3238F98	3840F 6	3987F 9			
-10	3600F95	4199^ 4	4248^ 7	3358F 0	3929F 8	4065F10			
-20	3783F96	4199^ 6	4250^10	3505F 1	4012F 9	4147F12			
-30	3970F97	4197^ 8	4249^12	3615F 3	4092F11	4241F14			
	High QNH **+10** per .10" Low QNH **-130** per .10"			High QNH **+70** per .10" Low QNH **-100** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-630** Wing A/I ON **-630**			Engine A/I ON **-440** Wing A/I ON **-440**			Engine A/I ON Wing A/I ON		

Elevation 2467 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope -0.50

Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
		1015'		**DT H057**	**1015'**	

MILITARY USE ONLY

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4385^27	4539^30	4591^31	4385D27	4539D31	4591D32	4725
46	87.7	4475^28	4634^31	4688^32	4475D27	4634D32	4688D33	4845
44	87.6	4526^29	4688^32	4742^33	4526D27	4688D33	4742D34	4901
42	87.4	4541^29	4704^32	4759^33	4541D28	4704D33	4759D34	4947
40	87.1	4556^29	4718^32	4774^33	4556D28	4718D33	4774D34	4959
38	86.8	4563^29	4726^32	4781^33	4563D29	4726D33	4781D34	4961
36	86.6	4571^29	4732^32	4789^33	4571D29	4732D33	4789D34	4962
34	86.3	4578^30	4740^32	4796^33	4578D29	4740D34	4796D34	4964
32	86.0	4586^30	4749^33	4804^34	4586D30	4749D34	4804D35	4966
30	85.7	4594^30	4756^33	4813^34	4594D30	4756D34	4813D35	4968
20	84.3	4634^31	4796^33	4852^34	4634D32	4796D34	4852D35	4976
10	82.8	4667^31	4830^34	4885^35	4667D32	4830D35	4885D36	4973
0	81.3	4708^32	4871^35	4927^36	4708D33	4871D35	4927D36	4984
-10	79.8	4743^32	4895^35	4936^36	4743D33	4895D35	4936D36	4988
-20	78.3	4763^33	4888^35	4930^36	4763D33	4888D35	4930D36	4985
-30	76.7	4748^33	4878^35	4922^35	4748D33	4878D35	4922D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4438^28	4588^31	4638^31	4438D28	4588D32	4638D32	4725
46	90.9	4533^29	4686^32	4739^33	4533D29	4686D33	4739D34	4845
44	90.8	4591^30	4747^33	4800^34	4591D29	4747D34	4800D35	4901
42	90.5	4620^30	4775^33	4829^34	4620D30	4775D34	4829D35	4947
40	90.2	4633^31	4789^33	4843^34	4633D31	4789D34	4843D35	4959
38	89.9	4641^31	4797^33	4850^34	4641D31	4797D34	4850D35	4961
36	89.7	4647^31	4803^34	4857^34	4647D31	4803D35	4857D35	4962
34	89.4	4654^31	4810^34	4864^35	4654D32	4810D35	4864D35	4964
32	89.1	4661^31	4818^34	4872^35	4661D32	4818D35	4872D36	4966
30	88.8	4669^31	4826^34	4879^35	4669D32	4826D35	4879D36	4968
20	87.3	4706^32	4863^34	4916^35	4706D33	4863D35	4916D36	4976
10	85.8	4736^32	4893^35	4947^36	4736D33	4893D35	4947D36	4973
0	84.2	4775^33	4914^35	4953^36	4775D33	4914D35	4953D36	4984
-10	82.7	4791^33	4911^35	4951^36	4791D33	4911D35	4951D36	4988
-20	81.1	4779^33	4903^35	4945^36	4779D33	4903D35	4945D36	4985
-30	79.5	4764^33	4893^35	4936^36	4764D33	4893D35	4936D36	4983

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4438^28-28-38	4588^31-31-40	4638^31-31-41	4690^32-32-41
46	90.9	4533^29-29-39	4686^32-32-41	4739^33-33-42	4792^34-34-43
44	90.8	4591^30-30-40	4747^33-33-42	4800^34-34-43	4855^34-34-44
42	90.5	4620^30-30-40	4775^33-33-43	4829^34-34-43	4883^35-35-44
40	90.2	4633^31-31-40	4789^33-33-43	4843^34-34-43	4897^35-35-44
38	89.9	4641^31-31-41	4797^33-33-43	4850^34-34-44	4904^35-35-44
36	89.7	4647^31-31-41	4803^34-34-43	4857^34-34-44	4912^35-35-44
34	89.4	4654^31-31-41	4810^34-34-43	4864^35-35-44	4919^35-35-45
32	89.1	4661^31-31-41	4818^34-34-43	4872^35-35-44	4926^36-36-45
30	88.8	4669^31-31-41	4826^34-34-43	4879^35-35-44	4933^36-36-45
20	87.3	4706^32-32-42	4863^34-34-44	4916^35-35-45	4971^36-36-45
10	85.8	4736^32-32-42	4893^35-35-44	4947^36-36-45	4973C36-36-45
0	84.2	4775^33-33-43	4914^35-35-45	4953^36-36-45	4998C43-43-52
-10	82.7	4791^33-33-43	4932^41-41-51	4988^42-42-51	5003C43-43-52
-20	81.1	4800^39-39-49	4965^42-42-51	5000C43-43-52	5000C43-43-52
-30	79.5	4833^40-40-49	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-820**
Low QNH **-170** per .10" Wing A/I ON **-820**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	15	Length	9885	Shift	**0**	Clearway	0	Stopway	492	Slope	+0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4438^28	4588^31	4638^31
46	4533^29	4686^32	4739^33
44	4591^30	4747^33	4800^34
42	4620^30	4775^33	4829^34
40	4633^31	4789^33	4843^34
38	4641^31	4797^33	4850^34
36	4647^31	4803^34	4857^34
34	4654^31	4810^34	4864^35
32	4661^31	4818^34	4872^35
30	4669^31	4826^34	4879^35
20	4706^32	4863^34	4916^35
10	4736^32	4893^35	4947^36
0	4775^33	4914^35	4953^36
-10	4791^33	4911^35	4951^36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4431^28	4580^30	4632^31
46	4524^29	4678^32	4731^33
44	4584^30	4739^33	4793^33
42	4612^30	4768^33	4821^34
40	4626^30	4782^33	4836^34
38	4632^31	4790^33	4843^34
36	4641^31	4797^33	4850^34
34	4647^31	4804^34	4858^34
32	4655^31	4812^34	4865^35
30	4663^31	4819^34	4873^35
20	4699^32	4857^34	4910^35
10	4674^32	4824^34	4862^35
0	4712^32	4827^34	4866^35
-10	4704^32	4823^34	4863^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4438D28	4588D32	4638D32
46	4533D29	4686D33	4739D34
44	4591D29	4747D34	4800D35
42	4620D30	4775D34	4829D35
40	4633D31	4789D34	4843D35
38	4641D31	4797D34	4850D35
36	4647D31	4803D35	4857D35
34	4654D32	4810D35	4864D35
32	4661D32	4818D35	4872D36
30	4669D32	4826D35	4879D36
20	4706D33	4863D35	4916D36
10	4736D33	4893D35	4947D36
0	4775D33	4914D35	4953D36
-10	4791D33	4911D35	4951D36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4431D28	4580D31	4632D32
46	4524D29	4678D33	4731D34
44	4584D29	4739D34	4793D34
42	4612D30	4768D34	4821D35
40	4626D30	4782D34	4836D35
38	4632D31	4790D34	4843D35
36	4641D31	4797D34	4850D35
34	4647D32	4804D35	4858D35
32	4655D32	4812D35	4865D36
30	4663D32	4819D35	4873D36
20	4699D33	4857D35	4910D36
10	4674D32	4824D34	4862D35
0	4712D32	4827D34	4866D35
-10	4704D32	4823D34	4863D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4325^ 9	4546^20	4628^23
26	4335^10	4558^20	4641^23
24	4345^10	4570^20	4652^24
22	4356^10	4581^21	4664^24
20	4366^11	4593^21	4676^24
18	4375^11	4605^22	4687^25
16	4386^12	4616^22	4699^25
14	4396^12	4627^22	4710^26
12	4405^13	4637^23	4722^26
10	4414^13	4647^23	4732^27
0	4471^15	4710^26	4797^29
-10	4523^17	4770^28	4859^31
-20	4576^20	4828^30	4922^34
-30	4629^22	4880^33	4932^36

High QNH **+20** per .10"
Low QNH **-50** per .10"

Engine A/I ON **-680**
Wing A/I ON **-680**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4116^13	4349^23	4438^26
26	4127^14	4360^23	4452^26
24	4137^14	4373^23	4465^26
22	4147^15	4386^24	4479^27
20	4156^15	4398^24	4493^27
18	4165^15	4411^24	4507^27
16	4176^16	4423^25	4522^28
14	4186^16	4435^25	4537^28
12	4196^16	4448^26	4551^28
10	4206^17	4461^26	4565^29
0	4263^19	4535^28	4650^30
-10	4318^21	4611^30	4737^32
-20	4377^23	4697^31	4800^33
-30	4437^25	4773^33	4831^34

High QNH **+70** per .10"
Low QNH **-80** per .10"

Engine A/I ON **-590**
Wing A/I ON **-590**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	15	Length	9885	Shift	**0**	Clearway	0	Stopway	492	Slope	+0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1015'		**DT H117**	**1015'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4507^29	4637^31	4670^32
46	87.7	4594F30	4750^33	4784^33
44	87.6	4643F31	4813^34	4867^35
42	87.4	4660F31	4830^34	4886^35
40	87.1	4676F31	4845^34	4901^35
38	86.8	4686F32	4853^34	4909^35
36	86.6	4697F32	4861^34	4917^35
34	86.3	4709F32	4869^35	4925^36
32	86.0	4714^32	4878^35	4931^36
30	85.7	4723^32	4885^35	4933^36
20	84.3	4764^33	4901^35	4938^36
10	82.8	4779^33	4893^35	4932^36
0	81.3	4780^33	4898^35	4938^36
-10	79.8	4774^33	4895^35	4936^36
-20	78.3	4762^33	4887^35	4930^36
-30	76.7	4747^32	4877^35	4921^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4439F18	4637D27	4670D31	4725
4515F18	4750^28	4784D31	4845
4561F19	4807^28	4867D31	4901
4578F19	4824^28	4886D32	4947
4595F19	4841^29	4901D32	4959
4608F20	4851^29	4909D32	4961
4618F20	4860^30	4917D33	4962
4631F20	4869D30	4925D33	4964
4645F21	4878D30	4931D34	4966
4658F21	4885D31	4933D34	4968
4725F23	4901D33	4938D36	4976
4771^25	4893D35	4932D36	4973
4779^27	4898D35	4938D36	4984
4774D29	4895D35	4936D36	4988
4762D32	4887D35	4930D36	4985
4747D33	4877D35	4921D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4550^30	4648^32	4681^32
46	90.9	4663^31	4762^33	4795^34
44	90.8	4722^32	4846^34	4881^35
42	90.5	4751^33	4900^35	4935^36
40	90.2	4766^33	4907^35	4941^36
38	89.9	4773^33	4909^35	4944^36
36	89.7	4781^33	4910^35	4945^36
34	89.4	4788^33	4911^35	4946^36
32	89.1	4796^33	4913^35	4948^36
30	88.8	4807^34	4914^35	4949^36
20	87.3	4808^34	4918^35	4954^36
10	85.8	4797^33	4909^35	4947^36
0	84.2	4798^33	4914^35	4953^36
-10	82.7	4791^33	4911^35	4951^36
-20	81.1	4778^33	4903^35	4945^36
-30	79.5	4764^33	4892^35	4936^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4507^19	4648D29	4681D32	4725
4594F20	4762D30	4795D33	4845
4651F20	4846D30	4881D34	4901
4682^21	4900^31	4935D34	4947
4697^21	4907^31	4941D35	4959
4707^22	4909D32	4944D35	4961
4716^22	4910D32	4945D36	4962
4726^22	4911D33	4946D36	4964
4737^23	4913D33	4948D36	4966
4748^23	4914D34	4949D36	4968
4802^25	4918D36	4954D36	4976
4794^27	4909D35	4947D36	4973
4798D30	4914D35	4953D36	4984
4791D32	4911D35	4951D36	4988
4778D33	4903D35	4945D36	4985
4764D33	4892D35	4936D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4550^30-30-39	4649^37-37-46	4703^38-38-47	4758^39-39-48
46	90.9	4663^31-31-41	4762^33-33-42	4800^40-40-49	4857^41-41-50
44	90.8	4722^32-32-42	4846^34-34-44	4881^35-35-44	4921^41-41-50
42	90.5	4751^33-33-42	4900^35-35-44	4935^36-36-45	4954^42-42-51
40	90.2	4766^33-33-42	4907^35-35-44	4941^36-36-45	4969^42-42-51
38	89.9	4773^33-33-42	4909^35-35-44	4944^36-36-45	4975C42-42-51
36	89.7	4781^33-33-43	4910^35-35-44	4945^36-36-45	4975C42-42-51
34	89.4	4788^33-33-43	4911^35-35-44	4946^36-36-45	4977C42-42-51
32	89.1	4796^33-33-43	4913^35-35-45	4948^36-36-45	4979C42-42-51
30	88.8	4807^34-34-43	4914^35-35-45	4955^42-42-51	4981C42-42-51
20	87.3	4808^34-34-43	4944^42-42-51	4990C43-43-51	4990C43-43-51
10	85.8	4817^40-40-49	4982^42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4863^40-40-50	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4906^41-41-50	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4927^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	15	Length	8858	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.06
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4550^30	4648^32	4681^32
46	4663^31	4762^33	4795^34
44	4722^32	4846^34	4881^35
42	4751^33	4900^35	4935^36
40	4766^33	4907^35	4941^36
38	4773^33	4909^35	4944^36
36	4781^33	4910^35	4945^36
34	4788^33	4911^35	4946^36
32	4796^33	4913^35	4948^36
30	4807^34	4914^35	4949^36
20	4808^34	4918^35	4954^36
10	4797^33	4909^35	4947^36
0	4798^33	4914^35	4953^36
-10	4791^33	4911^35	4951^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4545^30	4643^31	4675^32
46	4652^31	4756^33	4789^34
44	4714^32	4841^34	4875^35
42	4744^33	4896^35	4930^36
40	4758^33	4902^35	4937^36
38	4766^33	4904^35	4939^36
36	4773^33	4906^35	4941^36
34	4781^33	4907^35	4942^36
32	4789^33	4907^35	4943^36
30	4797^33	4908^35	4944^36
20	4803^33	4912^35	4949^36
10	4712^32	4824^34	4861^35
0	4712^32	4827^34	4866^35
-10	4704^32	4823^34	4863^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4507^19	4648D29	4681D32
46	4594F20	4762D30	4795D33
44	4651F20	4846D30	4881D34
42	4682^21	4900^31	4935D34
40	4697^21	4907^31	4941D35
38	4707^22	4909D32	4944D35
36	4716^22	4910D32	4945D36
34	4726^22	4911D33	4946D36
32	4737^23	4913D33	4948D36
30	4748^23	4914D34	4949D36
20	4802^25	4918D36	4954D36
10	4794^27	4909D35	4947D36
0	4798D30	4914D35	4953D36
-10	4791D32	4911D35	4951D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4501^19	4643D29	4675D32
46	4585F19	4756D30	4789D33
44	4642F20	4841D30	4875D34
42	4675^21	4895^31	4930D34
40	4690^21	4902D31	4937D35
38	4700^22	4904D32	4939D35
36	4710^22	4906D32	4941D35
34	4720^22	4907D32	4942D36
32	4731^23	4907D33	4943D36
30	4741^23	4908D33	4944D36
20	4793^25	4912D35	4949D36
10	4712^28	4824D34	4861D35
0	4712D30	4827D34	4866D35
-10	4704D32	4823D34	4863D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4158F 1	4422F11	4516F14
26	4170F 1	4434F11	4529F15
24	4181F 2	4447F12	4543F15
22	4191F 2	4460F12	4556F16
20	4202F 2	4471F13	4569F16
18	4213F 3	4483F13	4583F16
16	4224F 3	4497F13	4596F17
14	4233F 4	4510F14	4610F17
12	4244F 4	4522F14	4623F18
10	4256F 4	4535F15	4637F18
0	4318F 6	4608F17	4711F20
-10	4379F 8	4679F19	4786F22
-20	4442F10	4752F21	4857^24
-30	4507F13	4827F23	4900^27

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-490**
Wing A/I ON **-490**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3820F 6	4073F16	4165F19
26	3830F 7	4087F16	4177F19
24	3840F 7	4097F16	4189F19
22	3851F 7	4109F17	4201F20
20	3861F 7	4121F17	4215F20
18	3870F 8	4132F17	4229F21
16	3881F 8	4144F18	4242F21
14	3891F 9	4156F18	4252F21
12	3902F 9	4168F19	4268F22
10	3913F 9	4181F19	4278F22
0	3971F11	4249F21	4351F24
-10	4027F13	4314F23	4423F26
-20	4085F15	4386F25	4498F28
-30	4143F17	4459F27	4564F29

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	15	Length	8858	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.06
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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Engine Failure Procedure

CLIMB AT	*VIA*	*REACHING*	*OR*	*TURN*	*FLAP RETRACT*	*HOLD*
		1015'		**DT H237**	**1015'**	
MILITARY USE ONLY						

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4268F25	4520F29	4606F31	4268D24	4520D32	4606D32	4725
46	87.7	4344F26	4601F30	4688F32	4344D25	4601D33	4688D34	4845
44	87.6	4389F26	4649F31	4737F32	4389D25	4649D33	4737D35	4901
42	87.4	4405F27	4666F31	4754F33	4405D25	4666D33	4754D35	4947
40	87.1	4420F27	4682F31	4771F33	4420D26	4682D34	4771D35	4959
38	86.8	4430F27	4693F32	4783F33	4430D26	4693D34	4783D35	4961
36	86.6	4441F27	4705F32	4795F33	4441D26	4705D34	4795D36	4962
34	86.3	4452F27	4716F32	4807F34	4452D27	4716D34	4807D36	4964
32	86.0	4463F28	4728F32	4819F34	4463D27	4728D34	4819D36	4966
30	85.7	4474F28	4741F32	4832F34	4474D28	4741D35	4832D36	4968
20	84.3	4531F29	4803F33	4894F35	4531D29	4803D35	4894D36	4976
10	82.8	4590F30	4865F35	4933^36	4590D31	4865D35	4933D36	4973
0	81.3	4654F31	4899^35	4939^36	4654D33	4899D35	4939D36	4984
-10	79.8	4713F32	4897^35	4937^36	4713D33	4897D35	4937D36	4988
-20	78.3	4763^33	4888^35	4931^36	4763D33	4888D35	4931D36	4985
-30	76.7	4749^33	4879^35	4923^35	4749D33	4879D35	4923D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4368F27	4621F31	4682^32	4368D25	4621D32	4682D32	4725
46	90.9	4447F28	4705F32	4794F34	4447D26	4705D33	4794D34	4845
44	90.8	4506F28	4768F33	4859F35	4506D27	4768D34	4859D35	4901
42	90.5	4546F29	4810F34	4900F35	4546D27	4810D35	4900D36	4947
40	90.2	4561F29	4826F34	4916F35	4561D28	4826D35	4916D36	4959
38	89.9	4572F30	4838F34	4929F36	4572D28	4838D35	4929D36	4961
36	89.7	4583F30	4849F34	4941F36	4583D28	4849D35	4941D36	4962
34	89.4	4595F30	4859F34	4948^36	4595D29	4859D35	4948D36	4964
32	89.1	4606F30	4872F35	4949^36	4606D29	4872D35	4949D36	4966
30	88.8	4618F30	4885F35	4950^36	4618D30	4885D35	4950D36	4968
20	87.3	4679F31	4918^35	4955^36	4679D31	4918D36	4955D36	4976
10	85.8	4736F32	4911^35	4948^36	4736D34	4911D35	4948D36	4973
0	84.2	4799^33	4915^35	4954^36	4799D34	4915D35	4954D36	4984
-10	82.7	4792^33	4912^35	4952^36	4792D33	4912D35	4952D36	4988
-20	81.1	4780^33	4904^35	4946^36	4780D33	4904D35	4946D36	4985
-30	79.5	4765^33	4893^35	4937^36	4765D33	4893D35	4937D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4368F27-27-37	4621F31-31-40	4682^32-32-41	4715^33-33-42
46	90.9	4447F28-28-38	4705F32-32-42	4794F34-34-43	4830^34-34-43
44	90.8	4506F28-28-39	4768F33-33-42	4859F35-35-44	4901C35-35-44
42	90.5	4546F29-29-39	4810F34-34-43	4900F35-35-44	4947C36-36-45
40	90.2	4561F29-29-39	4826F34-34-43	4916F35-35-45	4959C36-36-45
38	89.9	4572F30-30-40	4838F34-34-43	4929F36-36-45	4961C36-36-45
36	89.7	4583F30-30-40	4849F34-34-44	4941F36-36-45	4962C36-36-45
34	89.4	4595F30-30-40	4859F34-34-44	4948^36-36-45	4964C36-36-45
32	89.1	4606F30-30-40	4872F35-35-44	4949^36-36-45	4966C36-36-45
30	88.8	4618F30-30-40	4885F35-35-44	4950^36-36-45	4968C36-36-45
20	87.3	4679F31-31-41	4918^35-35-45	4955^36-36-45	4976C36-36-45
10	85.8	4736F32-32-42	4911^35-35-44	4948^36-36-45	4986C42-42-51
0	84.2	4799^33-33-43	4915^35-35-45	4998C43-43-52	4998C43-43-52
-10	82.7	4792^33-33-43	4972F42-42-51	5003C43-43-52	5003C43-43-52
-20	81.1	4780^33-33-43	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4819F40-40-49	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-160** per .10" Wing A/I ON **-840**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	15	Length	7917	Shift	**0**	Clearway	0	Stopway	1968	Slope	-0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4368F27	4621F31	4682^32
46	4447F28	4705F32	4794F34
44	4506F28	4768F33	4859F35
42	4546F29	4810F34	4900F35
40	4561F29	4826F34	4916F35
38	4572F30	4838F34	4929F36
36	4583F30	4849F34	4941F36
34	4595F30	4859F34	4948^36
32	4606F30	4872F35	4949^36
30	4618F30	4885F35	4950^36
20	4679F31	4918^35	4955^36
10	4736F32	4911^35	4948^36
0	4799^33	4915^35	4954^36
-10	4792^33	4912^35	4952^36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4358F26	4610F31	4676^32
46	4437F27	4694F32	4783F33
44	4494F28	4757F33	4847F34
42	4535F29	4799F33	4888F35
40	4550F29	4814F34	4905F35
38	4561F29	4827F34	4918F35
36	4573F30	4839F34	4930F36
34	4584F30	4851F34	4943F36
32	4596F30	4861F34	4944^36
30	4608F30	4874F35	4945^36
20	4669F31	4914^35	4950^36
10	4692F32	4825^34	4862^35
0	4713^32	4828^34	4867^35
-10	4706^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4368D25	4621D32	4682D32
46	4447D26	4705D33	4794D34
44	4506D27	4768D34	4859D35
42	4546D27	4810D35	4900D36
40	4561D28	4826D35	4916D36
38	4572D28	4838D35	4929D36
36	4583D28	4849D35	4941D36
34	4595D29	4859D35	4948D36
32	4606D29	4872D35	4949D36
30	4618D30	4885D35	4950D36
20	4679D31	4918D36	4955D36
10	4736D34	4911D35	4948D36
0	4799D34	4915D35	4954D36
-10	4792D33	4912D35	4952D36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4358D25	4610D32	4676D32
46	4437D26	4694D33	4783D34
44	4494D27	4757D34	4847D35
42	4535D27	4799D35	4888D36
40	4550D28	4814D35	4905D36
38	4561D28	4827D35	4918D36
36	4573D28	4839D35	4930D36
34	4584D29	4851D35	4943D36
32	4596D29	4861D35	4944D36
30	4608D29	4874D35	4945D36
20	4669D31	4914D35	4950D36
10	4692D32	4825D34	4862D35
0	4713D32	4828D34	4867D35
-10	4706D32	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4111F 7	4397F17	4500F20
26	4122F 7	4411F18	4514F21
24	4134F 8	4424F18	4528F21
22	4146F 8	4436F18	4543F22
20	4157F 9	4450F19	4558F22
18	4169F 9	4464F19	4572F22
16	4180F 9	4478F20	4586F23
14	4190F10	4491F20	4602F23
12	4202F10	4506F20	4616F24
10	4214F11	4520F21	4631F24
0	4280F13	4598F23	4713F26
-10	4346F15	4676F25	4794F28
-20	4414F17	4757F27	4878F30
-30	4484F19	4840F30	4923^33

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-420**
Wing A/I ON **-420**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3897F12	4198F21	4306F24
26	3909F12	4211F21	4321F24
24	3921F12	4225F21	4334F24
22	3933F13	4238F22	4350F25
20	3945F13	4252F22	4363F25
18	3957F14	4266F22	4379F25
16	3968F14	4279F23	4395F26
14	3981F14	4296F23	4411F26
12	3994F15	4311F24	4426F26
10	4007F15	4323F24	4443F27
0	4073F17	4404F26	4529F28
-10	4137F19	4487F27	4618F30
-20	4206F21		
-30		4671F31	4804F33

High QNH **+70** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-350**
Wing A/I ON **-350**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	15	Length	7917	Shift	**0**	Clearway	0	Stopway	1968	Slope	-0.04
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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TAR Mexico **EMB-145** **AE3007A1**

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1015'		**DT H297**	**1015'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4361^26	4520^29	4578^30
46	87.7	4447F28	4609^30	4668^32
44	87.6	4494F28	4661^31	4721^32
42	87.4	4508F28	4677^31	4737^32
40	87.1	4524F29	4692^32	4752^33
38	86.8	4534F29	4701^32	4762^33
36	86.6	4545F29	4710^32	4770^33
34	86.3	4552^29	4719^32	4780^33
32	86.0	4561^29	4729^32	4790^33
30	85.7	4570^29	4739^32	4800^33
20	84.3	4614^30	4786^33	4845^34
10	82.8	4655^31	4825^34	4885^35
0	81.3	4701^32	4872^35	4932^36
-10	79.8	4741^32	4897^35	4938^36
-20	78.3	4764^33	4889^35	4931^36
-30	76.7	4749^33	4879^35	4923^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4294F14	4520^24	4578D27	4725
4366F14	4604^24	4668D27	4845
4411F15	4653^25	4721D28	4901
4428F15	4669^25	4737D28	4947
4444F16	4687^25	4752D29	4959
4456F16	4697^26	4762D29	4961
4468F16	4708^26	4770D29	4962
4481F17	4719^26	4780D30	4964
4494F17	4729D27	4790D30	4966
4507F17	4739D27	4800D30	4968
4570^19	4786D29	4845D32	4976
4620^21	4825D31	4885D34	4973
4678^23	4872D33	4932D36	4984
4730^25	4897D35	4938D36	4988
4763^27	4889D35	4931D36	4985
4749D30	4879D35	4923D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4423^28	4580^30	4634^31
46	90.9	4513^29	4675^32	4730^33
44	90.8	4572^30	4736^32	4792^33
42	90.5	4603^30	4766^33	4823^34
40	90.2	4617^30	4781^33	4838^34
38	89.9	4624^30	4789^33	4845^34
36	89.7	4633^31	4797^33	4854^34
34	89.4	4641^31	4805^34	4862^35
32	89.1	4649^31	4814^34	4871^35
30	88.8	4658^31	4823^34	4879^35
20	87.3	4700^32	4865^35	4923^35
10	85.8	4736^32	4902^35	4948^36
0	84.2	4781^33	4915^35	4954^36
-10	82.7	4792^33	4912^35	4953^36
-20	81.1	4780^33	4904^35	4946^36
-30	79.5	4765^33	4894^35	4937^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4358^15	4579^25	4634D29	4725
4442F16	4668^26	4730D29	4845
4497F16	4726^27	4792D30	4901
4525^17	4757^27	4823D31	4947
4539^17	4773^28	4838D31	4959
4550^18	4784^28	4845D31	4961
4560^18	4794^28	4854D32	4962
4570^19	4805^29	4862D32	4964
4582^19	4814D29	4871D32	4966
4593^19	4823D30	4879D33	4968
4647^21	4865D31	4923D35	4976
4698^23	4902D34	4948D36	4973
4755^25	4915D35	4954D36	4984
4791^27	4912D35	4953D36	4988
4780D30	4904D35	4946D36	4985
4765D33	4894D35	4937D36	4983

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4423^28-28-37	4580^30-30-40	4634^31-31-40	4690^32-32-41
46	90.9	4513^29-29-39	4675^32-32-41	4730^33-33-42	4787^34-34-43
44	90.8	4572^30-30-40	4736^32-32-42	4792^33-33-43	4850^34-34-44
42	90.5	4603^30-30-40	4766^33-33-42	4823^34-34-43	4881^35-35-44
40	90.2	4617^30-30-40	4781^33-33-43	4838^34-34-43	4895^35-35-44
38	89.9	4624^30-30-40	4789^33-33-43	4845^34-34-44	4904^35-35-44
36	89.7	4633^31-31-40	4797^33-33-43	4854^34-34-44	4911^35-35-44
34	89.4	4641^31-31-41	4805^34-34-43	4862^35-35-44	4920^35-35-45
32	89.1	4649^31-31-41	4814^34-34-43	4871^35-35-44	4929^36-36-45
30	88.8	4658^31-31-41	4823^34-34-43	4879^35-35-44	4937^36-36-45
20	87.3	4700^32-32-41	4865^35-35-44	4923^35-35-45	4976C36-36-45
10	85.8	4736^32-32-42	4902^35-35-44	4948^36-36-45	4973C36-36-45
0	84.2	4781^33-33-43	4915^35-35-45	4954^36-36-45	4998C43-43-52
-10	82.7	4792^33-33-43	4926^41-41-51	4987^42-42-51	5003C43-43-52
-20	81.1	4794^39-39-49	4967^42-42-51	5000C43-43-52	5000C43-43-52
-30	79.5	4834^40-40-49	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	15	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.06
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4423^28	4580^30	4634^31
46	4513^29	4675^32	4730^33
44	4572^30	4736^32	4792^33
42	4603^30	4766^33	4823^34
40	4617^30	4781^33	4838^34
38	4624^30	4789^33	4845^34
36	4633^31	4797^33	4854^34
34	4641^31	4805^34	4862^35
32	4649^31	4814^34	4871^35
30	4658^31	4823^34	4879^35
20	4700^32	4865^35	4923^35
10	4736^32	4902^35	4948^36
0	4781^33	4915^35	4954^36
-10	4792^33	4912^35	4953^36

High QNH **+10** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4415^27	4573^30	4627^31
46	4505^29	4667^31	4722^32
44	4563^29	4728^32	4784^33
42	4594^30	4758^33	4815^34
40	4608^30	4773^33	4830^34
38	4617^30	4782^33	4839^34
36	4625^30	4790^33	4846^34
34	4634^31	4798^33	4855^34
32	4642^31	4807^34	4864^35
30	4651^31	4815^34	4872^35
20	4694^32	4858^34	4916^35
10	4678^32	4825^34	4863^35
0	4713^32	4828^34	4867^35
-10	4706^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4358^15	4579^25	4634D29
46	4442F16	4668^26	4730D29
44	4497F16	4726^27	4792D30
42	4525^17	4757^27	4823D31
40	4539^17	4773^28	4838D31
38	4550^18	4784^28	4845D31
36	4560^18	4794^28	4854D32
34	4570^19	4805^29	4862D32
32	4582^19	4814D29	4871D32
30	4593^19	4823D30	4879D33
20	4647^21	4865D31	4923D35
10	4698^23	4902D34	4948D36
0	4755^25	4915D35	4954D36
-10	4791^27	4912D35	4953D36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4352^15	4572^25	4627D28
46	4434F16	4660^26	4722D29
44	4489F16	4718^26	4784D30
42	4518^17	4750^27	4815D30
40	4533^17	4766^27	4830D31
38	4543^18	4776^28	4839D31
36	4553^18	4787^28	4846D31
34	4564^18	4798D29	4855D32
32	4575^19	4807D29	4864D32
30	4586^19	4815D29	4872D33
20	4641^21	4858D31	4916D35
10	4647^23	4825D34	4863D35
0	4704^25	4828D34	4867D35
-10	4706D28	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3758F98	4275F 7	4369F10
26	3884F98	4287F 7	4382F11
24	4012F98	4299F 8	4395F11
22	4046F98	4312F 8	4408F11
20	4056F98	4324F 8	4421F12
18	4068F99	4336F 9	4434F12
16	4077F99	4348F 9	4447F13
14	4088F99	4360F10	4460F13
12	4099F 0	4373F10	4471F13
10	4109F 0	4385F10	4484F14
0	4168F 2	4455F12	4559F16
-10	4227F 4	4523F15	4632F18
-20	4288F 6	4597F17	4696^20
-30	4350F 8	4672F19	4760^23

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3573F 2	3987F10	4151F13
26	3579F 2	4008F11	4171F13
24	3589F 3	4025F11	4192F13
22	3602F 3	4042F11	4209F14
20	3614F 3	4064F11	4229F14
18	3624F 4	4080F12	4247F14
16	3636F 4	4100F12	4257F14
14	3646F 4	4118F12	4283^15
12	3664F 4	4137F13	4282^15
10	3680F 5	4137F13	4281^15
0	3760F 6	4242^14	4286^15
-10	3852F 8	4238^14	4283^15
-20	3940F 9	4231^14	4278^15
-30	4036F11	4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	15	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.06
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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CUERNAVACA -CVJ 02 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		RWY END	**D1.5 CVJ**	***RT TEQ**	**5295'**	**STD**

*IF TEQ VOR OTS RT H170

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	3822^17	3921^19	3960^20	3822D14	3921D21	3960D21	4378
38	88.8	3884^18	3986^20	4023^21	3884D15	3986D21	4023D22	4464
36	89.1	3946^19	4052^21	4087^22	3946D15	4052D22	4087D23	4549
34	89.4	4006^20	4116^22	4147^23	4006D16	4116D23	4147D24	4628
32	89.6	4063^21	4177^23	4207^24	4063D16	4177D24	4207D25	4707
30	89.9	4120^22	4237^24	4268^25	4120D17	4237D25	4268D26	4780
28	89.7	4155^22	4273^24	4303^25	4155D17	4273D25	4303D26	4845
26	89.5	4184^23	4304^25	4336^26	4184D18	4304D26	4336D27	4911
24	89.3	4203^23	4323^25	4355^26	4203D18	4323D26	4355D27	4921
22	89.1	4212^23	4331^25	4362^26	4212D18	4331D26	4362D27	4923
20	88.9	4220^23	4338^25	4369^26	4220D19	4338D26	4369D27	4925
10	87.4	4260^24	4372^26	4414^27	4260D21	4372D27	4414D28	4933
0	85.8	4291^25	4402^27	4452^28	4291D23	4402D28	4452D29	4924
-10	84.2	4328^25	4447^27	4497^28	4328D25	4447D29	4497D29	4931
-20	82.6	4364^26	4488^28	4538^29	4364D27	4488D29	4538D30	4932
-30	80.9	4396^27	4527^29	4577^30	4396D28	4527D30	4577D31	4929

High QNH **+30** per .10" Engine A/I ON **-1040**
Low QNH **-150** per .10" Wing A/I ON **-1040**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.8	3865^18	3964^20	4007^21	3865D16	3964D21	4007D22	4378
38	92.3	3929^19	4027^21	4071^22	3929D16	4027D22	4071D23	4464
36	92.8	3993^20	4090^22	4135^23	3993D17	4090D23	4135D24	4549
34	93.1	4054^21	4152^23	4197^24	4054D17	4152D24	4197D25	4628
32	93.2	4113^22	4210^24	4257^25	4113D18	4210D25	4257D26	4707
30	93.3	4171^23	4272^25	4316^25	4171D18	4272D26	4316D27	4780
28	93.2	4209^23	4309^25	4355^26	4209D19	4309D26	4355D27	4845
26	93.1	4247^24	4347^26	4394^27	4247D20	4347D27	4394D28	4911
24	92.9	4268^24	4369^26	4417^27	4268D20	4369D27	4417D28	4921
22	92.5	4279^24	4382^26	4429^27	4279D21	4382D28	4429D28	4923
20	92.2	4286^25	4391^26	4438^27	4286D21	4391D28	4438D29	4925
10	90.6	4323^25	4435^27	4483^28	4323D23	4435D28	4483D29	4933
0	89.0	4350^26	4469^28	4518^29	4350D25	4469D29	4518D30	4924
-10	87.4	4384^26	4512^29	4561^30	4384D27	4512D30	4561D31	4931
-20	85.7	4418^27	4552^29	4600^30	4418D28	4552D30	4600D31	4932
-30	84.0	4453^28	4587^30	4635^31	4453D29	4587D31	4635D32	4929

High QNH **+30** per .10" Engine A/I ON **-1060**
Low QNH **-150** per .10" Wing A/I ON **-1060**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.8	3865^18-18-29	3964^20-20-30	4007^21-21-31	4051^22-22-32
38	92.3	3929^19-19-30	4027^21-21-31	4071^22-22-32	4117^23-23-33
36	92.8	3993^20-20-31	4090^22-22-32	4135^23-23-33	4182^24-24-34
34	93.1	4054^21-21-32	4152^23-23-33	4197^24-24-34	4244^25-25-35
32	93.2	4113^22-22-33	4210^24-24-34	4257^25-25-35	4304^25-25-36
30	93.3	4171^23-23-34	4272^25-25-35	4316^25-25-36	4364^26-26-37
28	93.2	4209^23-23-34	4309^25-25-36	4355^26-26-36	4403^27-27-37
26	93.1	4247^24-24-35	4347^26-26-36	4394^27-27-37	4444^27-27-38
24	92.9	4268^24-24-35	4369^26-26-37	4417^27-27-37	4466^28-28-38
22	92.5	4279^24-24-35	4382^26-26-37	4429^27-27-38	4479^28-28-38
20	92.2	4286^25-25-35	4391^26-26-37	4438^27-27-38	4489^28-28-38
10	90.6	4323^25-25-36	4435^27-27-38	4483^28-28-38	4533^29-29-39
0	89.0	4350^26-26-36	4469^28-28-38	4518^29-29-39	4568^30-30-40
-10	87.4	4384^26-26-37	4512^29-29-39	4561^30-30-39	4611^30-30-40
-20	85.7	4418^27-27-37	4552^29-29-39	4600^30-30-40	4651^31-31-41
-30	84.0	4453^28-28-38	4587^30-30-40	4635^31-31-41	4686^32-32-41

High QNH **+30** per .10" Engine A/I ON **-1060**
Low QNH **-150** per .10" Wing A/I ON **-1060**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	4295	Length	9186	Shift	**0**	Clearway	0	Stopway	0	Slope	+1.00
Rwy Rev.		Program						Rules	FAA		**23 Feb 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3865^18	3964^20	4007^21	3858^18	3957^20	4000^21			
38	3929^19	4027^21	4071^22	3922^19	4020^21	4064^22			
36	3993^20	4090^22	4135^23	3986^20	4084^22	4128^23			
34	4054^21	4152^23	4197^24	4047^21	4146^23	4190^24			
32	4113^22	4210^24	4257^25	4107^22	4205^24	4250^24			
30	4171^23	4272^25	4316^25	4166^23	4268^25	4309^25			
28	4209^23	4309^25	4355^26	4203^23	4305^25	4349^26			
26	4247^24	4347^26	4394^27	4242^24	4342^26	4388^26			
24	4268^24	4369^26	4417^27	4262^24	4362^26	4410^27			
22	4279^24	4382^26	4429^27	4273^24	4375^26	4424^27			
20	4286^25	4391^26	4438^27	4281^24	4385^26	4432^27			
10	4323^25	4435^27	4483^28	4211^24	4329^26	4375^27			
0	4350^26	4469^28	4518^29	4289^25	4412^27	4459^28			
-10	4384^26	4512^29	4561^30	4369^26	4498^28	4546^29			
	High QNH +30 per .10" Low QNH -150 per .10"			High QNH +30 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -1060 Wing A/I ON -1060			Engine A/I ON -10 Wing A/I ON -10			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	3865D16	3964D21	4007D22	3858D16	3957D21	4000D22			
38	3929D16	4027D22	4071D23	3922D16	4020D22	4064D23			
36	3993D17	4090D23	4135D24	3986D17	4084D23	4128D24			
34	4054D17	4152D24	4197D25	4047D17	4146D24	4190D25			
32	4113D18	4210D25	4257D26	4107D18	4205D25	4250D26			
30	4171D18	4272D26	4316D27	4166D18	4268D26	4309D27			
28	4209D19	4309D26	4355D27	4203D19	4305D26	4349D27			
26	4247D20	4347D27	4394D28	4242D19	4342D27	4388D28			
24	4268D20	4369D27	4417D28	4262D20	4362D27	4410D28			
22	4279D21	4382D28	4429D28	4273D20	4375D27	4424D28			
20	4286D21	4391D28	4438D29	4281D21	4385D28	4432D28			
10	4323D23	4435D28	4483D29	4211D23	4329D27	4375D28			
0	4350D25	4469D29	4518D30	4289D25	4412D28	4459D29			
-10	4384D27	4512D30	4561D31	4369D27	4498D30	4546D30			
	High QNH +30 per .10" Low QNH -150 per .10"			High QNH +30 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -1060 Wing A/I ON -1060			Engine A/I ON -10 Wing A/I ON -10			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3808^99	4011^ 8	4080^11	3567^ 3	3776^11	3854^14			
26	3843^99	4049^ 9	4118^12	3607^ 3	3819^12	3896^15			
24	3864^ 0	4071^ 9	4141^12	3628^ 4	3842^12	3920^15			
22	3878^ 0	4085^ 9	4156^12	3645^ 4	3860^13	3939^16			
20	3887^ 0	4096^10	4167^13	3654^ 5	3871^13	3951^16			
18	3897^ 1	4107^10	4178^13	3665^ 5	3883^14	3964^16			
16	3908^ 1	4118^11	4190^14	3674^ 5	3894^14	3976^17			
14	3918^ 1	4129^11	4201^14	3684^ 5	3906^14	3988^17			
12	3928^ 2	4140^11	4212^14	3694^ 6	3917^15	4001^17			
10	3939^ 2	4151^12	4222^15	3704^ 6	3929^15	4013^18			
0	3983^ 4	4200^14	4271^17	3749^ 8	3984^17	4073^20			
-10	4037^ 6	4257^16	4327^19	3801^10	4047^19	4143^21			
-20	4090^ 8	4312^18	4382^21	3853^12	4113^20	4218^23			
-30	4142^10	4365^20	4440^24	3903^14	4185^22	4304F25			
	High QNH +40 per .10" Low QNH -110 per .10"			High QNH +40 per .10" Low QNH -120 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -880 Wing A/I ON -880			Engine A/I ON -730 Wing A/I ON -730			Engine A/I ON Wing A/I ON		

Elevation 4295 Length 9186 Shift **0** Clearway 0 Stopway 0 Slope +1.00

Rwy Rev. Program Rules FAA **23 Feb 18**

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CUERNAVACA -CVJ 20 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.3 CVJ	**TEQ R-293**	**LT H140**	**5295'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	4219^25	4305^27	4334^27	4208F11	4305^21	4334D25	4378
38	88.8	4303^26	4391^28	4420^28	4267F12	4390^22	4420D25	4464
36	89.1	4386^28	4474^29	4504^30	4326F12	4472^22	4504D25	4549
34	89.4	4463^29	4553^30	4583^31	4384F13	4550^23	4583D26	4628
32	89.6	4540^30	4630^31	4661^32	4439F13	4626^23	4660^26	4707
30	89.9	4622^31	4713^33	4744^33	4495F14	4709^23	4742^27	4780
28	89.7	4669F32	4791^34	4822^34	4532F14	4785^24	4819^27	4845
26	89.5	4698F32	4850^35	4881^35	4562F14	4843^24	4877^27	4911
24	89.3	4720F32	4862^35	4893^35	4582F15	4855^24	4890^28	4921
22	89.1	4734F33	4863^35	4895^35	4597F15	4857^25	4892^28	4923
20	88.9	4748F33	4864^35	4896^35	4611F16	4859^25	4894^29	4925
10	87.4	4769^33	4868^35	4901^35	4683F17	4865^27	4901D31	4933
0	85.8	4754^33	4855^35	4890^35	4744^19	4855D30	4890D33	4924
-10	84.2	4748^33	4853^35	4889^35	4742^22	4853D32	4889D35	4931
-20	82.6	4739^33	4846^34	4883^35	4735^24	4846D35	4883D35	4932
-30	80.9	4724^32	4836^34	4874^35	4724D27	4836D34	4874D35	4929

High QNH **+40** per .10" Engine A/I ON **-2230**
Low QNH **-170** per .10" Wing A/I ON **-2230**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.8	4229^25	4315^27	4344^27	4220^13	4315D23	4344D26	4378
38	92.3	4313^27	4401^28	4430^29	4304^13	4401^23	4430D27	4464
36	92.8	4396^28	4484^29	4514^30	4386^13	4483^24	4514D27	4549
34	93.1	4474^29	4563^30	4592^31	4451F14	4561^24	4592D28	4628
32	93.2	4551^30	4640^32	4670^32	4507F14	4638^25	4670D28	4707
30	93.3	4633^31	4724^33	4754^33	4561F15	4720^25	4754D28	4780
28	93.2	4710^32	4802^34	4833^34	4603F15	4797^25	4832^29	4845
26	93.1	4770^33	4863^35	4895^35	4646F16	4858^26	4893^29	4911
24	92.9	4782^33	4875^35	4907^35	4671F16	4870^26	4906^30	4921
22	92.5	4784^33	4878^35	4909^36	4692F17	4873^27	4909^30	4923
20	92.2	4785^33	4879^35	4911^36	4707F17	4875^27	4911^31	4925
10	90.6	4784^33	4882^35	4915^36	4772^19	4881^30	4915D33	4933
0	89.0	4769^33	4869^35	4903^35	4760^22	4869D32	4903D36	4924
-10	87.4	4764^33	4867^35	4902^35	4759^24	4867D35	4902D35	4931
-20	85.7	4754^33	4860^35	4896^35	4752^27	4860D35	4896D35	4932
-30	84.0	4739^33	4849^34	4887^35	4739D29	4849D35	4887D35	4929

High QNH **+40** per .10" Engine A/I ON **-2240**
Low QNH **-170** per .10" Wing A/I ON **-2240**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.8	4267F32-32-40	4426C35-35-43	4426C35-35-43	4426C35-35-43
38	92.3	4329F32-32-41	4513C36-36-44	4513C36-36-44	4513C36-36-44
36	92.8	4396^28-28-37	4600C37-37-46	4600C37-37-46	4600C37-37-46
34	93.1	4474^29-29-38	4683C38-38-47	4683C38-38-47	4683C38-38-47
32	93.2	4551^30-30-39	4755F39-39-48	4763C39-39-48	4763C39-39-48
30	93.3	4633^31-31-41	4816F40-40-49	4841C40-40-49	4841C40-40-49
28	93.2	4710^32-32-42	4866F41-41-50	4881C41-41-50	4881C41-41-50
26	93.1	4770^33-33-43	4916F42-42-51	4923C42-42-51	4923C42-42-51
24	92.9	4782^33-33-43	4943C42-42-51	4943C42-42-51	4943C42-42-51
22	92.5	4784^33-33-43	4945C42-42-51	4945C42-42-51	4945C42-42-51
20	92.2	4785^33-33-43	4947C42-42-51	4947C42-42-51	4947C42-42-51
10	90.6	4789F39-39-49	4954C42-42-51	4954C42-42-51	4954C42-42-51
0	89.0	4852F40-40-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
-10	87.4	4914^41-41-50	4950C42-42-51	4950C42-42-51	4950C42-42-51
-20	85.7	4903^41-41-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
-30	84.0	4889^41-41-50	4948C42-42-51	4948C42-42-51	4948C42-42-51

High QNH **+0** per .10" Engine A/I ON **-1780**
Low QNH **-170** per .10" Wing A/I ON **-1780**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4295 Length 9186 Shift **0** Clearway 0 Stopway 0 Slope -1.00
Rwy Rev. Program Rules FAA **23 Feb 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4229^25	4315^27	4344^27	4224^25	4310^27	4339^27			
38	4313^27	4401^28	4430^29	4308^26	4396^28	4425^29			
36	4396^28	4484^29	4514^30	4391^28	4479^29	4509^30			
34	4474^29	4563^30	4592^31	4469^29	4559^30	4588^31			
32	4551^30	4640^32	4670^32	4547^30	4637^31	4666^32			
30	4633^31	4724^33	4754^33	4629^31	4720^33	4750^33			
28	4710^32	4802^34	4833^34	4706^32	4798^34	4829^34			
26	4770^33	4863^35	4895^35	4767^33	4860^35	4891^35			
24	4782^33	4875^35	4907^35	4778^33	4872^35	4903^35			
22	4784^33	4878^35	4909^36	4780^33	4873^35	4905^35			
20	4785^33	4879^35	4911^36	4780^33	4874^35	4906^35			
10	4784^33	4882^35	4915^36	4573^30	4669^32	4701^33			
0	4769^33	4869^35	4903^35	4694^32	4794^34	4827^34			
-10	4764^33	4867^35	4902^35	4730^33	4832^34	4866^35			
	High QNH **+40** per .10" Low QNH **-170** per .10"			High QNH **+40** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2240** Wing A/I ON **-2240**			Engine A/I ON **-110** Wing A/I ON **-110**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4220^13	4315D23	4344D26	4215^13	4310D23	4339D26			
38	4304^13	4401^23	4430D27	4299^13	4396^23	4425D27			
36	4386^13	4483^24	4514D27	4380^13	4478^24	4509D27			
34	4451F14	4561^24	4592D28	4443F14	4557^24	4588D27			
32	4507F14	4638^25	4670D28	4499F14	4634^24	4666D28			
30	4561F15	4720^25	4754D28	4555F15	4717^25	4750D28			
28	4603F15	4797^25	4832^29	4596F15	4793^25	4828^29			
26	4646F16	4858^26	4893^29	4638F16	4854^26	4889^29			
24	4671F16	4870^26	4906^30	4664F16	4867^26	4902^30			
22	4692F17	4873^27	4909^30	4684F17	4869^27	4904^30			
20	4707F17	4875^27	4911^31	4699F17	4871^27	4906^31			
10	4772^19	4881^30	4915D33	4566^20	4669D31	4701D33			
0	4760^22	4869D32	4903D36	4686^22	4794D32	4827D35			
-10	4759^24	4867D35	4902D35	4725^24	4832D34	4866D35			
	High QNH **+40** per .10" Low QNH **-170** per .10"			High QNH **+40** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2230** Wing A/I ON **-2230**			Engine A/I ON **-110** Wing A/I ON **-110**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4269F 1	4351F 5	3692F98	3906F 7	3982F10			
26		4308F 2	4391F 5	3732F99	3948F 8	4027F11			
24	2654F99	4332F 2	4416F 5	3753F99	3971F 8	4051F11			
22	2807F98	4349F 3	4433F 6	3769F99	3989F 8	4070F11			
20	2948F98	4362F 3	4446F 6	3779F 0	4001F 9	4082F12			
18	3069F98	4375F 3	4460F 7	3791F 0	4013F 9	4095F12			
16	3202F98	4388F 4	4473F 7	3802F 0	4026F10	4108F13			
14	3339F98	4401F 4	4487F 7	3811F 1	4038F10	4120F13			
12	3482F98	4412F 5	4500F 8	3821F 1	4050F10	4133F13			
10	3619F97	4425F 5	4513F 8	3832F 1	4062F11	4145F14			
0	4225F97	4485F 7	4574F10	3879F 3	4117F13	4202F16			
-10	4291F99	4554F 9	4647F12	3931F 5	4181F15	4271F18			
-20	4353F 1	4623F11	4722F15	3987F 7	4245F17	4338F20			
-30	4415F 3	4696F14	4797F17	4042F 9	4311F19	4404F22			
	High QNH **+50** per .10" Low QNH **-110** per .10"			High QNH **+50** per .10" Low QNH **-130** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-920** Wing A/I ON **-920**			Engine A/I ON **-890** Wing A/I ON **-890**			Engine A/I ON Wing A/I ON		

Elevation	4295	Length	9186	Shift	**0**	Clearway	0	Stopway	0	Slope	-1.00
Rwy Rev.		Program						Rules	FAA		**23 Feb 18**

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CULIACAN -CUL 02 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D3.3 CUL	***500'**	**LT H260**	**1105'**	

*USE ONLY IF CUL DME OTS

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4043^21	4188^23	4242^24	4014^ 9	4188D19	4242D23	4708
46	87.7	4124^22	4269^24	4325^25	4090^10	4269D20	4325D23	4827
44	87.6	4172^22	4319^25	4376^26	4136^10	4319D20	4376D24	4891
42	87.4	4192^23	4339^25	4396^26	4155^10	4339D21	4396D24	4945
40	87.2	4208^23	4357^26	4414^27	4172^11	4357D21	4414D24	4959
38	86.9	4215^23	4365^26	4422^27	4181^11	4365D21	4422D25	4961
36	86.6	4223^23	4373^26	4431^27	4190^11	4373D22	4431D25	4962
34	86.4	4230^23	4382^26	4440^27	4199^12	4382D22	4440D25	4964
32	86.1	4238^23	4391^26	4449^27	4209^12	4391D22	4449D26	4966
30	85.8	4246^24	4400^26	4458^27	4218^12	4400D23	4458D26	4968
20	84.4	4287^24	4445^27	4504^28	4266^14	4445D25	4504D28	4976
10	82.9	4323^25	4486^28	4545^29	4311^16	4486D27	4545D30	4972
0	81.4	4366^26	4534^29	4594^30	4364^18	4534D29	4594D31	4984
-10	79.9	4406^26	4577^30	4637^31	4406D20	4577D31	4637D32	4987
-20	78.4	4447^27	4617^30	4677^31	4447D22	4617D31	4677D32	4985
-30	76.8	4485^28	4657^31	4716^32	4485D24	4657D32	4716D33	4982

High QNH **+60** per .10" Engine A/I ON **-530**
Low QNH **-150** per .10" Wing A/I ON **-530**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4095^22	4243^24	4297^25	4059^11	4243D21	4297D24	4708
46	90.9	4179^23	4328^25	4383^26	4137^11	4328D21	4383D25	4827
44	90.8	4235^23	4385^26	4441^27	4189^12	4385D22	4441D25	4891
42	90.6	4265^24	4418^27	4474^28	4219^12	4418D23	4474D26	4945
40	90.3	4281^24	4435^27	4491^28	4236^13	4435D23	4491D26	4959
38	90.0	4290^24	4445^27	4501^28	4245^13	4445D23	4501D27	4961
36	89.8	4297^25	4453^27	4510^28	4255^13	4453D24	4510D27	4962
34	89.5	4304^25	4461^28	4518^29	4264^14	4461D24	4518D28	4964
32	89.2	4312^25	4470^28	4527^29	4274^14	4470D25	4527D28	4966
30	88.9	4320^25	4479^28	4535^29	4283^14	4479D25	4535D28	4968
20	87.4	4360^26	4523^29	4581^30	4332^16	4523D27	4581D30	4976
10	85.9	4398^26	4562^29	4619^30	4381^18	4562D29	4619D32	4972
0	84.3	4442^27	4608^30	4665^31	4436^20	4608D31	4665D32	4984
-10	82.8	4483^28	4648^31	4706^32	4483D22	4648D32	4706D33	4987
-20	81.2	4520^28	4686^31	4744^32	4520D25	4686D33	4744D34	4985
-30	79.6	4556^29	4722^32	4780^33	4556D27	4722D33	4780D34	4982

High QNH **+60** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4095^22-22-32	4243^24-24-35	4297^25-25-35	4353^26-26-36
46	90.9	4179^23-23-34	4328^25-25-36	4383^26-26-37	4440^28-28-38
44	90.8	4235^23-23-35	4385^26-26-37	4441^27-27-38	4499^28-28-39
42	90.6	4265^24-24-35	4418^27-27-37	4474^28-28-38	4532^29-29-39
40	90.3	4281^24-24-35	4435^27-27-38	4491^28-28-38	4550^29-29-39
38	90.0	4290^24-24-35	4445^27-27-38	4501^28-28-39	4560^29-29-39
36	89.8	4297^25-25-35	4453^27-27-38	4510^28-28-39	4569^29-29-40
34	89.5	4304^25-25-36	4461^28-28-38	4518^29-29-39	4576^30-30-40
32	89.2	4312^25-25-36	4470^28-28-38	4527^29-29-39	4585^30-30-40
30	88.9	4320^25-25-36	4479^28-28-38	4535^29-29-39	4595^30-30-40
20	87.4	4360^26-26-36	4523^29-29-39	4581^30-30-40	4639^31-31-41
10	85.9	4398^26-26-37	4562^29-29-39	4619^30-30-40	4677^31-31-41
0	84.3	4442^27-27-38	4608^30-30-40	4665^31-31-41	4723^32-32-42
-10	82.8	4483^28-28-38	4648^31-31-41	4706^32-32-42	4765^33-33-42
-20	81.2	4520^28-28-39	4686^31-31-41	4744^32-32-42	4803^33-33-43
-30	79.6	4556^29-29-39	4722^32-32-42	4780^33-33-43	4839^34-34-43

High QNH **+60** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 105 Length 7365 Shift **0** Clearway 0 Stopway 0 Slope +0.12
Rwy Rev. Program Rules FAA **13 Mar 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4095^22	4243^24	4297^25
46	4179^23	4328^25	4383^26
44	4235^23	4385^26	4441^27
42	4265^24	4418^27	4474^28
40	4281^24	4435^27	4491^28
38	4290^24	4445^27	4501^28
36	4297^25	4453^27	4510^28
34	4304^25	4461^28	4518^29
32	4312^25	4470^28	4527^29
30	4320^25	4479^28	4535^29
20	4360^26	4523^29	4581^30
10	4398^26	4562^29	4619^30
0	4442^27	4608^30	4665^31
-10	4483^28	4648^31	4706^32

High QNH **+60** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-590**
Wing A/I ON **-590**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4089^21	4236^24	4290^25
4172^23	4321^25	4375^26
4227^23	4377^26	4433^27
4258^24	4411^27	4467^28
4275^24	4427^27	4484^28
4283^24	4438^27	4494^28
4290^24	4446^27	4503^28
4298^25	4454^27	4511^28
4306^25	4464^28	4520^29
4314^25	4472^28	4529^29
4354^26	4517^28	4574^30
4347^26	4507^29	4564^30
4391^26	4554^29	4609^30
4427^27	4589^30	4645^31

High QNH **+60** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4059^11	4243D21	4297D24
46	4137^11	4328D21	4383D25
44	4189^12	4385D22	4441D25
42	4219^12	4418D23	4474D26
40	4236^13	4435D23	4491D26
38	4245^13	4445D23	4501D27
36	4255^13	4453D24	4510D27
34	4264^14	4461D24	4518D28
32	4274^14	4470D25	4527D28
30	4283^14	4479D25	4535D28
20	4332^16	4523D27	4581D30
10	4381^18	4562D29	4619D32
0	4436^20	4608D31	4665D32
-10	4483D22	4648D32	4706D33

High QNH **+60** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-590**
Wing A/I ON **-590**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4053^10	4236D21	4290D24
4131^11	4321D21	4375D25
4183^11	4377D22	4433D25
4212^12	4411D23	4467D26
4230^12	4427D23	4484D26
4240^13	4438D23	4494D27
4249^13	4446D24	4503D27
4259^14	4454D24	4511D27
4269^14	4464D24	4520D28
4277^14	4472D25	4529D28
4327^16	4517D27	4574D30
4335^18	4507D29	4564D31
4391^20	4554D31	4609D32
4427D22	4589D31	4645D32

High QNH **+60** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3551F93	4157^ 1	4248^ 5
26	3578F93	4168^ 2	4259^ 5
24	3613F93	4179^ 2	4264^ 5
22	3643F94	4190^ 2	4267^ 6
20	3672F94	4201^ 3	4268^ 6
18	3705F94	4210^ 3	4270^ 6
16	3737F94	4219^ 3	4270^ 7
14	3769F95	4218^ 4	4268^ 7
12	3800F95	4217^ 4	4267^ 8
10	3831F95	4218^ 5	4269^ 8
0	3989F96	4229^ 7	4281^11
-10	4027F98	4232^ 9	4284D13
-20	4072^ 0	4233^12	4278D15
-30	4065^ 3	4224D14	4269D15

High QNH **+10** per .10"
Low QNH **-50** per .10"

Engine A/I ON **-690**
Wing A/I ON **-690**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
3069F99	3692F 6	3879^ 9
3083F 0	3714F 7	3896^ 9
3100F 0	3731F 7	3913F 9
3119F 0	3751F 7	3913F 9
3137F 0	3772F 7	3948F10
3154F 1	3794F 8	3972F10
3173F 1	3814F 8	3993F10
3194F 1	3838F 8	4014F11
3210F 1	3860^ 8	4033F11
3238F 2	3878^ 9	4053F11
3364F 3	3975F10	4150F13
3526F 4	4078F12	4255F14
3630F 5	4180F13	4276^15
	4219^14	4268^14

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-600**
Wing A/I ON **-600**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 105 Length 7365 Shift **0** Clearway 0 Stopway 0 Slope +0.12
Rwy Rev. Program Rules FAA **13 Mar 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1105'		**DT H205**	**1105'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4110^22	4293^25	4351^26	4060^ 9	4293D19	4351D22	4708
46	87.7	4188^23	4376^26	4436^27	4133^ 9	4372^19	4436D23	4827
44	87.6	4236^23	4427^27	4488^28	4178^10	4421^20	4488D23	4891
42	87.4	4255^24	4448^27	4509^28	4198^10	4442^20	4509D23	4945
40	87.2	4272^24	4465^28	4527^29	4215^10	4461^21	4527D24	4959
38	86.9	4281^24	4474^28	4535^29	4225^11	4471^21	4535D24	4961
36	86.6	4290^24	4483^28	4544^29	4236^11	4482^21	4544D24	4962
34	86.4	4299^25	4491^28	4553^29	4246^11	4491D22	4553D25	4964
32	86.1	4307^25	4501^28	4562^29	4257^12	4501D22	4562D25	4966
30	85.8	4317^25	4510^28	4572^29	4267^12	4510D22	4572D26	4968
20	84.4	4364^26	4558^29	4618^30	4322^14	4558D24	4618D27	4976
10	82.9	4409^27	4601^30	4660^31	4376^16	4601D26	4660D29	4972
0	81.4	4460^27	4651^31	4709^32	4436^18	4651D28	4709D31	4984
-10	79.9	4506^28	4697^32	4753^33	4492^20	4697D30	4753D33	4987
-20	78.4	4553^29	4739^32	4792^33	4550^22	4739D32	4792D34	4985
-30	76.8	4598^30	4778^33	4832^34	4598D24	4778D34	4832D35	4982

High QNH **+60** per .10" — Engine A/I ON **-550**
Low QNH **-150** per .10" — Wing A/I ON **-550**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4181^23	4355^26	4410^27	4115^10	4352^20	4410D24	4708
46	90.9	4262^24	4442^28	4499^29	4190^11	4433^21	4499D24	4827
44	90.8	4320^25	4503^28	4560^29	4242^11	4490^21	4560D25	4891
42	90.6	4355^26	4537^29	4594^30	4273^12	4524^22	4594D25	4945
40	90.3	4372^26	4554^29	4611^30	4292^12	4543^22	4611D26	4959
38	90.0	4382^26	4564^29	4620^30	4303^12	4555^23	4620D26	4961
36	89.8	4391^26	4573^30	4629^31	4313^13	4565^23	4629D27	4962
34	89.5	4400^26	4581^30	4638^31	4325^13	4576^24	4638D27	4964
32	89.2	4409^27	4591^30	4646^31	4336^14	4588^24	4646D27	4966
30	88.9	4418^27	4600^30	4656^31	4347^14	4599^24	4656D28	4968
20	87.4	4465^28	4645^31	4699^32	4404^16	4645D26	4699D30	4976
10	85.9	4507^28	4685^31	4737^32	4458^18	4685D28	4737D32	4972
0	84.3	4558^29	4732^32	4782^33	4520^20	4732D30	4782D34	4984
-10	82.8	4602^30	4773^33	4823^34	4579^22	4773D33	4823D35	4987
-20	81.2	4646^31	4811^34	4859^34	4637^24	4811D35	4859D36	4985
-30	79.6	4690^32	4848^34	4908^35	4690D26	4848D35	4908D36	4982

High QNH **+60** per .10" — Engine A/I ON **-610**
Low QNH **-160** per .10" — Wing A/I ON **-610**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4181^23-23-34	4355^26-26-36	4410^27-27-37	4461^28-28-38
46	90.9	4262^24-24-35	4442^28-28-38	4499^29-29-39	4553^30-30-39
44	90.8	4320^25-25-36	4503^28-28-39	4560^29-29-39	4614^30-30-40
42	90.6	4355^26-26-36	4537^29-29-39	4594^30-30-40	4647^31-31-41
40	90.3	4372^26-26-37	4554^29-29-39	4611^30-30-40	4665^31-31-41
38	90.0	4382^26-26-37	4564^29-29-39	4620^30-30-40	4675^31-31-41
36	89.8	4391^26-26-37	4573^30-30-40	4629^31-31-40	4683^31-31-41
34	89.5	4400^26-26-37	4581^30-30-40	4638^31-31-41	4691^32-32-41
32	89.2	4409^27-27-37	4591^30-30-40	4646^31-31-41	4699^32-32-41
30	88.9	4418^27-27-37	4600^30-30-40	4656^31-31-41	4707^32-32-42
20	87.4	4465^28-28-38	4645^31-31-41	4699^32-32-41	4750^33-33-42
10	85.9	4507^28-28-39	4685^31-31-41	4737^32-32-42	4785^33-33-43
0	84.3	4558^29-29-39	4732^32-32-42	4782^33-33-43	4830^34-34-43
-10	82.8	4602^30-30-40	4773^33-33-42	4823^34-34-43	4875^35-35-44
-20	81.2	4646^31-31-41	4811^34-34-43	4859^34-34-44	4924^35-35-45
-30	79.6	4690^32-32-41	4848^34-34-44	4908^35-35-44	4973^36-36-45

High QNH **+60** per .10" — Engine A/I ON **-610**
Low QNH **-160** per .10" — Wing A/I ON **-610**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	105	Length	7365	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.12
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4181^23	4355^26	4410^27
46	4262^24	4442^28	4499^29
44	4320^25	4503^28	4560^29
42	4355^26	4537^29	4594^30
40	4372^26	4554^29	4611^30
38	4382^26	4564^29	4620^30
36	4391^26	4573^30	4629^31
34	4400^26	4581^30	4638^31
32	4409^27	4591^30	4646^31
30	4418^27	4600^30	4656^31
20	4465^28	4645^31	4699^32
10	4507^28	4685^31	4737^32
0	4558^29	4732^32	4782^33
-10	4602^30	4773^33	4823^34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-610**
Wing A/I ON **-610**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4173^23	4348^26	4402^27
46	4254^24	4434^27	4491^28
44	4312^25	4494^28	4551^29
42	4346^25	4529^29	4586^30
40	4364^26	4547^29	4604^30
38	4374^26	4556^29	4614^30
36	4383^26	4565^29	4622^30
34	4392^26	4574^30	4631^31
32	4401^26	4583^30	4639^31
30	4410^27	4592^30	4649^31
20	4458^27	4638^31	4693^32
10	4457^28	4628^31	4678^32
0	4508^29	4675^32	4723^32
-10	4549^29	4712^32	4759^33

High QNH **+60** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4115^10	4352^20	4410D24
46	4190^11	4433^21	4499D24
44	4242^11	4490^21	4560D25
42	4273^12	4524^22	4594D25
40	4292^12	4543^22	4611D26
38	4303^12	4555^23	4620D26
36	4313^13	4565^23	4629D27
34	4325^13	4576^24	4638D27
32	4336^14	4588^24	4646D27
30	4347^14	4599^24	4656D28
20	4404^16	4645D26	4699D30
10	4458^18	4685D28	4737D32
0	4520^20	4732D30	4782D34
-10	4579^22	4773D33	4823D35

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-610**
Wing A/I ON **-610**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4109^10	4346^20	4402D23
46	4183^10	4426^21	4491D24
44	4235^11	4483^21	4551D25
42	4267^12	4516^22	4586D25
40	4285^12	4536^22	4604D26
38	4297^12	4548^23	4614D26
36	4307^13	4559^23	4622D26
34	4318^13	4569^23	4631D27
32	4330^13	4581^24	4639D27
30	4341^14	4592^24	4649D28
20	4397^16	4638D26	4693D30
10	4415^18	4628D28	4678D32
0	4476^20	4675D30	4723D34
-10	4531^22	4712D33	4759D34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28		4073F 1	4165F 5
26		4084F 2	4178F 5
24		4096F 2	4188^ 5
22		4108F 2	4199^ 6
20		4119F 3	4211^ 6
18		4130F 3	4222^ 7
16		4142F 3	4232^ 7
14		4151F 4	4244^ 7
12		4163F 4	4255^ 8
10		4176F 5	4267^ 8
0	2943F99	4240^ 7	4331^10
-10	3726F 0	4301^ 9	4394^12
-20	4079F 0	4362^11	4460^15
-30	4138F 2	4427^13	4526^17

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-470**
Wing A/I ON **-470**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3091F98	3718F 6	3899^ 8
26	3107F99	3736F 6	3915^ 8
24	3125F99	3755F 6	3933^ 9
22	3142F99	3776F 6	3947^ 9
20	3159F99	3798F 7	3966F 9
18	3179F 0	3819F 7	3980^10
16	3200F 0	3844F 7	3997^10
14	3208F 0	3865F 8	4012^10
12	3246F 1	3882F 8	4019^11
10	3265F 1	3882F 8	4042F11
0	3402F 2	3986^10	4140F13
-10	3574F 3	4067^11	4243F14
-20	3660^ 5	4171F13	4277^15
-30		4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-110** per .10"

Engine A/I ON **-600**
Wing A/I ON **-600**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	105	Length	7365	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.12
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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DURANGO **-DGO** **03** ***SPECIAL***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		6900'		**RT H055**	**7104'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	89.0	4056^23	4139^24	4166^25
34	89.2	4120^24	4217^25	4245^26
32	89.5	4182^24	4296^27	4323^27
30	89.7	4244^25	4376^28	4404^28
28	89.8	4309F26	4444^29	4487^29
26	89.9	4368F27	4514^30	4554^30
24	90.0	4424F28	4581^31	4623^31
22	90.2	4469F28	4626^31	4669^32
20	90.3	4484F29	4639^31	4681^32
18	90.0	4496F29	4647^31	4689^32
16	89.7	4508F29	4656^32	4698^32
10	88.8	4543F30	4678^32	4708^32
0	87.2	4581^30	4675^32	4707^32
-10	85.6	4566^30	4663^32	4696^32
-20	84.0	4560^30	4660^32	4693^32
-30	82.3	4543^30	4646^31	4681^32

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
36	89.0	3989F10	4138^20	4166D23	4221
34	89.2	4044F11	4216^20	4245D23	4300
32	89.5	4096F11	4293^20	4323D24	4378
30	89.7	4149F12	4355^21	4404D24	4458
28	89.8	4205F12	4421^21	4476^24	4543
26	89.9	4261F13	4486^22	4544^25	4627
24	90.0	4315F13	4549^22	4610^25	4710
22	90.2	4356F14	4593^23	4654^26	4756
20	90.3	4372F14	4607^23	4668^26	4762
18	90.0	4385F14	4617^24	4678^27	4764
16	89.7	4398F15	4629^24	4688^27	4765
10	88.8	4439F16	4660^25	4708^28	4769
0	87.2	4506F18	4675^27	4707D31	4771
-10	85.6	4559^20	4663D30	4696D32	4763
-20	84.0	4556^22	4660D32	4693D32	4765
-30	82.3	4543D25	4646D32	4681D32	4758

High QNH **+100** per .10" Engine A/I ON **-4110**
Low QNH **-170** per .10" Wing A/I ON **-4110**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	92.4	4066^23	4148^24	4175^25
34	92.7	4144^24	4227^26	4254^26
32	93.0	4222^25	4305^27	4333^27
30	93.2	4302^26	4386^28	4414^28
28	93.5	4369^27	4469^29	4497^30
26	93.9	4436^28	4552^30	4580^31
24	93.9	4504^29	4634^31	4663^32
22	93.8	4555^30	4683^32	4712^33
20	93.7	4583^30	4689^32	4719^33
18	93.3	4593^31	4691^32	4720^33
16	93.0	4604^31	4692^32	4721^33
10	92.1	4603^31	4693^32	4723^33
0	90.4	4598^31	4690^32	4721^33
-10	88.8	4583^30	4679^32	4711^33
-20	87.1	4576^30	4675^32	4708^32
-30	85.3	4559^30	4661^32	4695^32

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
36	92.4	4040^12	4148D21	4175D25	4221
34	92.7	4100^12	4227D22	4254D25	4300
32	93.0	4161F13	4305^22	4333D25	4378
30	93.2	4216F13	4385^23	4414D26	4458
28	93.5	4273F14	4466^23	4497D26	4543
26	93.9	4330F14	4535^23	4580^27	4627
24	93.9	4388F15	4603^24	4661^27	4710
22	93.8	4436F15	4651^25	4710^28	4756
20	93.7	4470F16	4676^25	4718^29	4762
18	93.3	4486F16	4687^26	4720D29	4764
16	93.0	4500F17	4689^26	4721D30	4765
10	92.1	4535^18	4693^28	4723D31	4769
0	90.4	4587^20	4690D30	4721D33	4771
-10	88.8	4578^22	4679D32	4711D33	4763
-20	87.1	4574^25	4675D32	4708D33	4765
-30	85.3	4559D28	4661D32	4695D32	4758

High QNH **+100** per .10" Engine A/I ON **-4150**
Low QNH **-170** per .10" Wing A/I ON **-4150**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
36	92.4	4066^23-23-32	4169^30-30-39	4208^31-31-40	4244^32-32-40
34	92.7	4144^24-24-33	4235^31-31-40	4276^32-32-41	4312^33-33-41
32	93.0	4222^25-25-34	4305^27-27-36	4340^33-33-42	4379^34-34-42
30	93.2	4302^26-26-36	4386^28-28-37	4414^28-28-37	4445^35-35-43
28	93.5	4369^27-27-37	4469^29-29-38	4497^30-30-39	4525^30-30-39
26	93.9	4436^28-28-38	4552^30-30-39	4580^31-31-40	4609^31-31-40
24	93.9	4504^29-29-39	4634^31-31-41	4663^32-32-41	4692^32-32-41
22	93.8	4555^30-30-39	4683^32-32-41	4712^33-33-42	4741^33-33-42
20	93.7	4583^30-30-40	4689^32-32-41	4719^33-33-42	4747^33-33-42
18	93.3	4593^31-31-40	4691^32-32-41	4720^33-33-42	4749^33-33-42
16	93.0	4604^31-31-40	4692^32-32-41	4721^33-33-42	4753^39-39-48
10	92.1	4603^31-31-40	4694^38-38-47	4738^39-39-48	4779^39-39-48
0	90.4	4598^31-31-40	4739^39-39-48	4781^39-39-48	4819^40-40-49
-10	88.8	4634^37-37-46	4773^39-39-48	4813^40-40-49	4831C40-40-49
-20	87.1	4679^38-38-47	4813^40-40-49	4833C40-40-49	4833C40-40-49
-30	85.3	4701^38-38-47	4798^40-40-49	4828C40-40-49	4828C40-40-49

High QNH **+100** per .10" Engine A/I ON **-2870**
Low QNH **-170** per .10" Wing A/I ON **-2870**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6104 Length 9514 Shift **0** Clearway 0 Stopway 0 Slope -0.04
Rwy Rev. Program Rules FAA **19 Dec 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4066^23	4148^24	4175^25	4061^23	4142^24	4170^25			
34	4144^24	4227^26	4254^26	4140^24	4222^25	4250^26			
32	4222^25	4305^27	4333^27	4218^25	4301^27	4329^27			
30	4302^26	4386^28	4414^28	4293^26	4382^28	4410^28			
28	4369^27	4469^29	4497^30	4360^27	4464^29	4493^30			
26	4436^28	4552^30	4580^31	4427^28	4547^30	4576^31			
24	4504^29	4634^31	4663^32	4496^29	4631^31	4660^32			
22	4555^30	4683^32	4712^33	4547^30	4681^32	4710^33			
20	4583^30	4689^32	4719^33	4576^30	4687^32	4717^33			
18	4593^31	4691^32	4720^33	4587^30	4689^32	4719^33			
16	4604^31	4692^32	4721^33	4595^31	4690^32	4719^33			
10	4603^31	4693^32	4723^33	4189^25	4277^26	4306^27			
0	4598^31	4690^32	4721^33	4529^30	4621^31	4652^32			
-10	4583^30	4679^32	4711^33	4518^29	4613^31	4645^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4150** Wing A/I ON **-4150**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4040^12	4148D21	4175D25	4033^11	4142D21	4170D24			
34	4100^12	4227D22	4254D25	4093^12	4222D22	4250D25			
32	4161F13	4305^22	4333D25	4153F12	4301^22	4329D25			
30	4216F13	4385^23	4414D26	4208F13	4380^22	4410D26			
28	4273F14	4466^23	4497D26	4265F13	4462^23	4493D26			
26	4330F14	4535^23	4580^27	4321F14	4527^23	4575^26			
24	4388F15	4603^24	4661^27	4380F14	4596^24	4652^27			
22	4436F15	4651^25	4710^28	4429F15	4645^24	4702^28			
20	4470F16	4676^25	4718^29	4463F16	4671^25	4716^29			
18	4486F16	4687^26	4720D29	4479F16	4685^26	4719^29			
16	4500F17	4689^26	4721D30	4493F17	4687^26	4719D29			
10	4535^18	4693^28	4723D31	4187^20	4277D26	4306D27			
0	4587^20	4690D30	4721D33	4521^20	4621D30	4652D32			
-10	4578^22	4679D32	4711D33	4515^23	4613D31	4645D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4140** Wing A/I ON **-4140**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3731F93	3958F 2	4034F 5	3439F98	3629F 7	3698F 9			
26	3637F94	4018F 3	4095F 5	3499F99	3691F 7	3761F10			
24	3575F95	4078F 3	4156F 6	3558F99	3755F 7	3825F10			
22	3613F96	4123F 3	4203F 6	3607F99	3807F 8	3878F11			
20	3740F96	4150F 4	4231F 7	3636F 0	3842F 9	3914F12			
18	3848F96	4163F 4	4244F 7	3648F 0	3855F 9	3928F12			
16	3943F96	4176F 5	4255F 8	3658F 1	3865F 9	3938F12			
14	3956F96	4188F 5	4268F 8	3668F 1	3876F10	3950F13			
12	3967F96	4200F 5	4280F 8	3678F 1	3887F10	3961F13			
10	3977F97	4213F 6	4293F 9	3688F 2	3898F11	3973F13			
0	4029F98	4270F 8	4356F11	3734F 3	3950F12	4026F15			
-10	4084F 0	4333F10	4421F13	3784F 5	4004F14	4085F17			
-20	4144F 2	4400F12	4489F15	3833F 7	4063F16	4147F19			
-30	4202F 4	4465F14	4560F17	3885F 9	4123F18	4210F21			
	High QNH **+110** per .10" Low QNH **-150** per .10"			High QNH **+100** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2040** Wing A/I ON **-2040**			Engine A/I ON **-1900** Wing A/I ON **-1900**			Engine A/I ON Wing A/I ON		

Elevation 6104 Length 9514 Shift **0** Clearway 0 Stopway 0 Slope -0.04

Rwy Rev. Program Rules FAA **19 Dec 16**

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DURANGO -DGO 21 *LT H035*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7104'		**LT H035**	**7104'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	89.0	4037^22	4138^24	4165^25
34	89.2	4100^23	4217^25	4244^26
32	89.5	4161^24	4295^26	4322^27
30	89.7	4223^25	4357^27	4395^28
28	89.8	4287^26	4426^28	4466^29
26	89.9	4351^27	4495^29	4536^30
24	90.0	4414F27	4563^30	4606^31
22	90.2	4458F28	4607^31	4651^32
20	90.3	4474F28	4620^31	4662^32
18	90.0	4479^28	4628^31	4671^32
16	89.7	4488^29	4637^31	4680^32
10	88.8	4516^29	4663^32	4707^32
0	87.2	4561^30	4674^32	4706^32
-10	85.6	4565^30	4663^32	4695^32
-20	84.0	4559^30	4659^32	4687^32
-30	82.3	4542^30	4645^31	4680^32

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3977^10	4137^20	4165D23	4221
4036F11	4215^20	4244D23	4300
4090F11	4279^21	4322D24	4378
4142F12	4341^21	4395^24	4458
4197F12	4406^22	4462^25	4543
4253F13	4471^22	4530^25	4627
4307F13	4534^22	4595^25	4710
4348F14	4578^23	4639^26	4756
4364F14	4591^23	4653^26	4762
4377F15	4602^24	4663^27	4764
4390F15	4612^24	4673^27	4765
4430F16	4644^25	4707^28	4769
4498F18	4674^27	4706D31	4771
4547^20	4663D30	4695D32	4763
4554^22	4659D32	4687D32	4760
4542D25	4645D32	4680D32	4758

High QNH **+100** per .10" Engine A/I ON **-3970**
Low QNH **-170** per .10" Wing A/I ON **-3970**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	92.4	4065^23	4147^24	4174^25
34	92.7	4143^24	4226^25	4253^26
32	93.0	4221^25	4304^27	4332^27
30	93.2	4281^26	4385^28	4413^28
28	93.5	4349^27	4468^29	4496^30
26	93.9	4415^28	4544^30	4579^31
24	93.9	4483^29	4617^31	4653^32
22	93.8	4534^29	4666^32	4702^32
20	93.7	4562^30	4688^32	4718^33
18	93.3	4572^30	4690^32	4720^33
16	93.0	4582^30	4691^32	4720^33
10	92.1	4602^31	4693^32	4723^33
0	90.4	4597^31	4689^32	4720^33
-10	88.8	4582^30	4672^32	4710^33
-20	87.1	4575^30	4674^32	4707^32
-30	85.3	4558^30	4660^32	4694^32

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4025^12	4147D21	4174D25	4221
4085^12	4226D22	4253D25	4300
4142^13	4304^22	4332D25	4378
4200^13	4384^23	4413D26	4458
4261^14	4453^23	4496D26	4543
4322F14	4520^24	4579^27	4627
4381F15	4588^24	4645^27	4710
4428F15	4636^25	4693^28	4756
4462F16	4662^26	4717^29	4762
4472^16	4674^26	4720D29	4764
4484^17	4688^26	4720D30	4765
4518^18	4692^28	4723D31	4769
4573^20	4689D30	4720D33	4771
4577^22	4672D32	4710D33	4763
4573^25	4674D32	4707D33	4765
4558D28	4660D32	4694D32	4758

High QNH **+100** per .10" Engine A/I ON **-4150**
Low QNH **-170** per .10" Wing A/I ON **-4150**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
36	92.4	4065^23-23-32	4151^30-30-39	4191^31-31-39	4227^31-31-40
34	92.7	4143^24-24-33	4226^25-25-35	4258^32-32-40	4296^32-32-41
32	93.0	4221^25-25-34	4304^27-27-36	4332^27-27-36	4362^33-33-42
30	93.2	4281^26-26-35	4385^28-28-37	4413^28-28-37	4441^29-29-38
28	93.5	4349^27-27-36	4468^29-29-38	4496^30-30-39	4524^30-30-39
26	93.9	4415^28-28-37	4544^30-30-39	4579^31-31-40	4608^31-31-40
24	93.9	4483^29-29-38	4617^31-31-40	4653^32-32-41	4691^32-32-41
22	93.8	4534^29-29-39	4666^32-32-41	4702^32-32-42	4740^33-33-42
20	93.7	4562^30-30-40	4688^32-32-41	4718^33-33-42	4746^33-33-42
18	93.3	4572^30-30-40	4690^32-32-41	4720^33-33-42	4748^33-33-42
16	93.0	4582^30-30-40	4691^32-32-41	4720^33-33-42	4744^33-33-42
10	92.1	4602^31-31-40	4693^32-32-41	4723^33-33-42	4760^39-39-48
0	90.4	4597^31-31-40	4719^38-38-48	4762^39-39-48	4801^40-40-49
-10	88.8	4611^37-37-46	4754^39-39-48	4794^40-40-49	4831^40-40-49
-20	87.1	4657^37-37-47	4795^40-40-49	4833^40-40-49	4833C40-40-49
-30	85.3	4700^38-38-47	4798^40-40-49	4828C40-40-49	4828C40-40-49

High QNH **+100** per .10" Engine A/I ON **-2860**
Low QNH **-170** per .10" Wing A/I ON **-2860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6104 Length 9514 Shift **0** Clearway 0 Stopway 0 Slope +0.04
Rwy Rev. Program Rules FAA **19 Dec 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4065^23	4147^24	4174^25	4060^23	4142^24	4169^25			
34	4143^24	4226^25	4253^26	4139^24	4221^25	4249^26			
32	4221^25	4304^27	4332^27	4211^25	4300^27	4328^27			
30	4281^26	4385^28	4413^28	4274^26	4381^28	4409^28			
28	4349^27	4468^29	4496^30	4340^27	4463^29	4492^30			
26	4415^28	4544^30	4579^31	4406^28	4536^30	4575^31			
24	4483^29	4617^31	4653^32	4475^29	4609^31	4647^32			
22	4534^29	4666^32	4702^32	4525^29	4660^32	4697^32			
20	4562^30	4688^32	4718^33	4555^30	4687^32	4716^33			
18	4572^30	4690^32	4720^33	4565^30	4688^32	4718^33			
16	4582^30	4691^32	4720^33	4575^30	4689^32	4719^33			
10	4602^31	4693^32	4723^33	4188^25	4277^26	4306^27			
0	4597^31	4689^32	4720^33	4528^30	4621^31	4652^32			
-10	4582^30	4672^32	4710^33	4517^29	4612^31	4644^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4150** Wing A/I ON **-4150**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4025^12	4147D21	4174D25	4018^12	4142D21	4169D24			
34	4085^12	4226D22	4253D25	4077^12	4221D22	4249D25			
32	4142^13	4304^22	4332D25	4135^13	4300^22	4328D25			
30	4200^13	4384^23	4413D26	4194^13	4379^22	4409D26			
28	4261^14	4453^23	4496D26	4257F14	4446^23	4492D26			
26	4322F14	4520^24	4579^27	4314F14	4512^23	4568^26			
24	4381F15	4588^24	4645^27	4373F15	4581^24	4638^27			
22	4428F15	4636^25	4693^28	4421F15	4631^25	4687^28			
20	4462F16	4662^26	4717^29	4455F16	4657^25	4715^29			
18	4472^16	4674^26	4720D29	4465^16	4668^26	4718^29			
16	4484^17	4688^26	4720D30	4477^17	4679^26	4719D30			
10	4518^18	4692^28	4723D31	4187^20	4277D26	4306D27			
0	4573^20	4689D30	4720D33	4520^20	4621D30	4652D32			
-10	4577^22	4672D32	4710D33	4514^23	4612D31	4644D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4140** Wing A/I ON **-4140**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3737F94	3951F 2	4027F 5	3367^98	3600^ 6	3742^ 8			
26	3703F94	4011F 3	4088F 6	3432^98	3664^ 6	3792^ 8			
24	3635F95	4071F 3	4149F 6	3500^98	3739^ 6	3846^ 9			
22	3668F96	4117F 4	4195F 7	3557^99	3802^ 7	3898^ 9			
20	3804F96	4143F 4	4224F 7	3599^ 0	3847^ 8	3948^10			
18	3914F96	4156F 5	4238F 8	3613^ 0	3860^ 8	3966^11			
16	3939F96	4169F 5	4248F 8	3625^ 0	3873^ 8	3982^11			
14	3949F96	4181F 5	4261F 8	3635^ 0	3884^ 9	4004^11			
12	3959F96	4193F 6	4274F 9	3646^ 1	3895^ 9	4022^11			
10	3971F97	4205F 6	4286F 9	3659^ 1	3907^ 9	4038^12			
0	4023F99	4263F 8	4349F11	3714^ 3	3985^11	4076^12			
-10	4078F 1	4326F10	4414F13	3773^ 4	4032^12	4068^12			
-20	4137F 3	4392F12	4482F15	3826^ 6	4027^11	4064^12			
-30	4195F 5	4458F14	4546^18	3863^ 8	4016^11	4054^12			
	High QNH **+110** per .10" Low QNH **-150** per .10"			High QNH **+90** per .10" Low QNH **-180** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2030** Wing A/I ON **-2030**			Engine A/I ON **-4080** Wing A/I ON **-4080**			Engine A/I ON Wing A/I ON		

Elevation 6104 Length 9514 Shift **0** Clearway 0 Stopway 0 Slope +0.04

Rwy Rev. Program Rules FAA **19 Dec 16**

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GUADALAJARA -GDL 02 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D4.0 GDL	**5500'**	**LT H340**	**6016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
38	88.8	3338F 7	3568F12	3648F14
36	89.2	3385F 8	3617F13	3700F15
34	89.5	3431F 9	3666F14	3749F15
32	89.9	3474F 9	3713F14	3797F16
30	90.2	3517F10	3760F15	3845F17
28	90.1	3560F10	3809F16	3895F18
26	90.0	3602F11	3859F16	3946F18
24	89.9	3631F11	3891F17	3978F19
22	89.8	3646F12	3904F17	3992F19
20	89.7	3660F12	3918F17	4006F19
18	89.4	3673F12	3929F18	4018F19
10	88.2	3720F13	3976F19	4067F20
0	86.6	3768F14	4032F20	4120F21
-10	85.0	3822F15	4093F21	4177F22
-20	83.4	3877F17	4148F22	4235F24
-30	81.7	3934F18	4205F23	4295F25

ALT TO-1 - WET RWY

Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
	3535F 1	3626F 4	4336
	3584F 1	3675F 4	4420
	3631F 2	3723F 5	4498
	3675F 2	3769F 5	4575
	3720F 3	3814F 6	4656
	3768F 3	3864F 6	4745
	3816F 3	3913F 7	4833
	3847F 4	3945F 7	4875
	3861F 4	3959F 7	4881
	3875F 4	3973F 8	4883
	3886F 5	3986F 8	4885
	3937F 6	4036F 9	4890
3209F 0	3998F 8	4100F11	4885
3374F 1	4064F10	4164F13	4886
3822F 1	4130F12	4230F15	4884
3886F 3	4196F14	4295D17	4880

High QNH **+50** per .10" Engine A/I ON **-930**
Low QNH **-130** per .10" Wing A/I ON **-930**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
38	92.2	3410F 9	3645F14	3718F15
36	92.5	3459F10	3697F15	3773F16
34	92.9	3505F10	3746F15	3825F17
32	93.3	3550F11	3793F16	3874F18
30	93.7	3593F11	3840F17	3924F18
28	93.7	3640F12	3891F17	3978F19
26	93.8	3686F12	3943F18	4031F20
24	93.6	3725F13	3987F19	4076F21
22	93.3	3760F14	4022F20	4109F21
20	93.0	3772F14	4035F20	4120F21
18	92.7	3784F15	4047F20	4131F22
10	91.4	3831F16	4095F21	4177F22
0	89.8	3882F17	4145F22	4230F23
-10	88.1	3939F18	4202F23	4289F25
-20	86.4	3997F19	4261F24	4350F26
-30	84.7	4057F20	4320F25	4412F27

TO-1 - WET RWY

Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
3444^91	3585D 0	3627D 4	4336
3508^91	3654D 1	3697D 4	4420
3567^91	3718^ 1	3761D 4	4498
3576^92	3779^ 1	3825D 5	4575
3556^92	3842^ 2	3890D 5	4656
3519^93	3911^ 2	3963D 5	4745
3484^94	3982^ 2	4037D 6	4833
3496^94	4019^ 3	4074D 6	4875
3555^95	4031^ 4	4084D 7	4881
3586^95	4035^ 4	4087D 7	4883
3620^95	4039^ 4	4090D 8	4885
3756^96	4055D 6	4102D 9	4890
3898^97	4057D 8	4105D11	4885
3915^99	4069D10	4117D13	4886
3930^ 1	4079D12	4128D13	4884
3941^ 3	4084D12	4133D13	4880

High QNH **+50** per .10" Engine A/I ON **-1160**
Low QNH **-140** per .10" Wing A/I ON **-1160**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
38	92.2	3410F 9- 9-21	3645F14-14-25	3718F15-15-26	3794F17-17-28
36	92.5	3459F10-10-22	3697F15-15-26	3773F16-16-27	3848F18-18-29
34	92.9	3505F10-10-23	3746F15-15-27	3825F17-17-28	3901F19-19-29
32	93.3	3550F11-11-23	3793F16-16-28	3874F18-18-29	3951F19-19-30
30	93.7	3593F11-12-24	3840F17-17-28	3924F18-18-30	4001F20-20-31
28	93.7	3640F12-12-25	3891F17-17-29	3978F19-19-31	4057F21-21-32
26	93.8	3686F12-13-26	3943F18-18-30	4031F20-20-31	4112F21-21-33
24	93.6	3725F13-13-26	3987F19-19-31	4076F21-21-32	4157F22-22-33
22	93.3	3760F14-14-27	4022F20-20-31	4109F21-21-33	4191F23-23-34
20	93.0	3772F14-14-27	4035F20-20-32	4120F21-21-33	4203F23-23-34
18	92.7	3784F15-15-27	4047F20-20-32	4131F22-22-33	4215F23-23-34
10	91.4	3831F16-16-28	4095F21-21-32	4177F22-22-34	4261F24-24-35
0	89.8	3882F17-17-29	4145F22-22-33	4230F23-23-35	4317F25-25-36
-10	88.1	3939F18-18-30	4202F23-23-34	4289F25-25-35	4379F26-26-37
-20	86.4	3997F19-19-31	4261F24-24-35	4350F26-26-36	4441F27-27-38
-30	84.7	4057F20-20-32	4320F25-25-36	4412F27-27-37	4507F29-29-39

High QNH **+50** per .10" Engine A/I ON **-1160**
Low QNH **-140** per .10" Wing A/I ON **-1160**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5016 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope -0.32
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T / +0 / +10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T / +0 / +10H	 Flaps -10T / +0 / +10H
38	3410F 9 3645F14 3718F15	3402F 9 3636F14 3709F15	
36	3459F10 3697F15 3773F16	3451F 9 3687F15 3764F16	
34	3505F10 3746F15 3825F17	3498F10 3737F15 3816F17	
32	3550F11 3793F16 3874F18	3542F11 3784F16 3866F18	
30	3593F11 3840F17 3924F18	3585F11 3831F17 3915F18	
28	3640F12 3891F17 3978F19	3631F12 3882F17 3970F19	
26	3686F12 3943F18 4031F20	3678F12 3934F18 4022F20	
24	3725F13 3987F19 4076F21	3719F13 3978F19 4067F20	
22	3760F14 4022F20 4109F21	3752F14 4014F19 4101F21	
20	3772F14 4035F20 4120F21	3764F14 4026F20 4112F21	
18	3784F15 4047F20 4131F22	3777F14 4038F20 4123F21	
10	3831F16 4095F21 4177F22	3736F15 3979F20 4061F21	
0	3882F17 4145F22 4230F23	3846F16 4103F21 4187F23	
-10	3939F18 4202F23 4289F25	3931F18 4192F23 4278F24	
	High QNH **+50** per .10" Low QNH **-140** per .10"	High QNH **+50** per .10" Low QNH **-140** per .10"	High QNH per .10" Low QNH per .10"
	Engine A/I ON **-1160** Wing A/I ON **-1160**	Engine A/I ON **-30** Wing A/I ON **-30**	Engine A/I ON Wing A/I ON

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T / +0 / +10H	WET - EAI VLV INOP OPEN Flaps 22 -10T / +0 / +10H	 Flaps -10T / +0 / +10H
38	3444^91 3585D 0 3627D 4	3440^90 3581D 0 3623D 4	
36	3508^91 3654D 1 3697D 4	3504^91 3649D 1 3692D 4	
34	3567^91 3718^ 1 3761D 4	3564^91 3714^ 1 3758D 4	
32	3576^92 3779^ 1 3825D 5	3570^92 3775^ 1 3821D 5	
30	3556^92 3842^ 2 3890D 5	3547^92 3838^ 2 3886D 5	
28	3519^93 3911^ 2 3963D 5	3510^93 3908^ 2 3960D 5	
26	3484^94 3982^ 2 4037D 6	3477^94 3978^ 2 4033D 6	
24	3496^94 4019^ 3 4074D 6	3488^94 4016^ 3 4071D 6	
22	3555^95 4031^ 4 4084D 7	3547^95 4027^ 4 4081D 7	
20	3586^95 4035^ 4 4087D 7	3578^95 4032^ 4 4084D 7	
18	3620^95 4039^ 4 4090D 8	3613^95 4036^ 4 4087D 8	
10	3756^96 4055D 6 4102D 9	3665^96 3809D 7 3854D10	
0	3898^97 4057D 8 4105D11	3838^98 3991D 8 4038D11	
-10	3915^99 4069D10 4117D13	3890^99 4041D10 4089D13	
	High QNH **+60** per .10" Low QNH **-150** per .10"	High QNH **+60** per .10" Low QNH **-170** per .10"	High QNH per .10" Low QNH per .10"
	Engine A/I ON **-2460** Wing A/I ON **-2460**	Engine A/I ON **-20** Wing A/I ON **-20**	Engine A/I ON Wing A/I ON

OAT °C	LEVEL 1 CONTAM Flaps -10T / +0 / +10H	LEVEL 2 CONTAM Flaps -10T / +0 / +10H	LEVEL 3 CONTAM Flaps -10T / +0 / +10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			
	High QNH per .10" Low QNH per .10"	High QNH per .10" Low QNH per .10"	High QNH per .10" Low QNH per .10"
	Engine A/I ON Wing A/I ON	Engine A/I ON Wing A/I ON	Engine A/I ON Wing A/I ON

Elevation 5016 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope -0.32

Rwy Rev. Program Rules FAA **26 Oct 17**

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GUADALAJARA -GDL 10 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.1 GDL	**D5.9 IAIG**	**LT H040**	**6016'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.8	4166^24	4252^26	4281^26	4166D24	4252D26	4281D26	4336
36	89.2	4248^25	4334^27	4363^28	4248D26	4334D27	4363D28	4420
34	89.5	4324^27	4411^28	4440^29	4324D27	4411D28	4440D29	4498
32	89.9	4401^28	4489^29	4518^30	4401D28	4489D29	4518D30	4575
30	90.2	4483^29	4572^31	4601^31	4483D29	4572D31	4601D31	4656
28	90.1	4569^30	4658^32	4688^32	4569D30	4658D32	4688D32	4745
26	90.0	4653^31	4744^33	4774^33	4653D31	4744D33	4774D34	4833
24	89.9	4697^32	4788^34	4819^34	4697D32	4788D34	4819D34	4875
22	89.8	4700^32	4792^34	4822^34	4700D32	4792D34	4822D34	4881
20	89.7	4701^32	4793^34	4824^34	4701D32	4793D34	4824D34	4883
18	89.4	4701^32	4794^34	4825^34	4701D32	4794D34	4825D34	4885
10	88.2	4701^32	4796^34	4828^34	4701D32	4796D34	4828D34	4890
0	86.6	4691^32	4789^34	4822^34	4691D32	4789D34	4822D34	4885
-10	85.0	4682^32	4783^33	4817^34	4682D32	4783D33	4817D34	4886
-20	83.4	4672^31	4776^33	4811^34	4672D32	4776D33	4811D34	4884
-30	81.7	4657^31	4764^33	4801^34	4657D31	4764D33	4801D34	4880

High QNH **+80** per .10" Low QNH **-170** per .10"

Engine A/I ON **-2980** Wing A/I ON **-2980**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.2	4177^24	4262^26	4290^27	4177D25	4262D26	4290D27	4336
36	92.5	4259^26	4344^27	4373^28	4259D26	4344D27	4373D28	4420
34	92.9	4336^27	4422^28	4451^29	4336D27	4422D28	4451D29	4498
32	93.3	4412^28	4499^29	4528^30	4412D28	4499D30	4528D30	4575
30	93.7	4495^29	4583^31	4612^31	4495D29	4583D31	4612D31	4656
28	93.7	4581^30	4670^32	4699^32	4581D31	4670D32	4699D33	4745
26	93.8	4666^32	4756^33	4786^34	4666D32	4756D33	4786D34	4833
24	93.6	4712^32	4802^34	4832^34	4712D32	4802D34	4832D34	4875
22	93.3	4718^32	4808^34	4838^34	4718D32	4808D34	4838D34	4881
20	93.0	4718^32	4809^34	4840^34	4718D32	4809D34	4840D34	4883
18	92.7	4719^32	4810^34	4841^34	4719D32	4810D34	4841D34	4885
10	91.4	4719^32	4812^34	4844^34	4719D32	4812D34	4844D35	4890
0	89.8	4708^32	4805^34	4837^34	4708D32	4805D34	4837D34	4885
-10	88.1	4699^32	4798^34	4832^34	4699D32	4798D34	4832D34	4886
-20	86.4	4688^32	4791^34	4826^34	4688D32	4791D34	4826D34	4884
-30	84.7	4672^31	4779^33	4815^34	4672D32	4779D33	4815D34	4880

High QNH **+80** per .10" Low QNH **-170** per .10"

Engine A/I ON **-3010** Wing A/I ON **-3010**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
38	92.2	4304^32-32-41	4385^34-34-42	4391C34-34-42	4391C34-34-42
36	92.5	4388^34-34-42	4470^35-35-44	4476C35-35-44	4476C35-35-44
34	92.9	4468^35-35-44	4551^36-36-45	4557C36-36-45	4557C36-36-45
32	93.3	4547^36-36-45	4630^38-38-46	4634C38-38-46	4634C38-38-46
30	93.7	4632^37-37-46	4711C39-39-47	4711C39-39-47	4711C39-39-47
28	93.7	4721^39-39-48	4801C40-40-49	4801C40-40-49	4801C40-40-49
26	93.8	4809^40-40-49	4891C41-41-50	4891C41-41-50	4891C41-41-50
24	93.6	4856^40-40-50	4938C42-42-51	4938C42-42-51	4938C42-42-51
22	93.3	4863^41-41-50	4942C42-42-51	4942C42-42-51	4942C42-42-51
20	93.0	4864^41-41-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
18	92.7	4864^41-41-50	4946C42-42-51	4946C42-42-51	4946C42-42-51
10	91.4	4864^41-41-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
0	89.8	4855^40-40-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
-10	88.1	4845^40-40-49	4941^42-42-51	4950C42-42-51	4950C42-42-51
-20	86.4	4834^40-40-49	4933^42-42-51	4950C42-42-51	4950C42-42-51
-30	84.7	4818^40-40-49	4921^42-42-51	4948C42-42-51	4948C42-42-51

High QNH **+10** per .10" Low QNH **-180** per .10"

Engine A/I ON **-3050** Wing A/I ON **-3050**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5016 Length 13140 Shift **0** Clearway 0 Stopway 0 Slope -0.01

Rwy Rev. Program Rules FAA **27 Sep 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4177^24	4262^26	4290^27
36	4259^26	4344^27	4373^28
34	4336^27	4422^28	4451^29
32	4412^28	4499^29	4528^30
30	4495^29	4583^31	4612^31
28	4581^30	4670^32	4699^32
26	4666^32	4756^33	4786^34
24	4712^32	4802^34	4832^34
22	4718^32	4808^34	4838^34
20	4718^32	4809^34	4840^34
18	4719^32	4810^34	4841^34
10	4719^32	4812^34	4844^34
0	4708^32	4805^34	4837^34
-10	4699^32	4798^34	4832^34

High QNH **+80** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3010**
Wing A/I ON **-3010**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4172^24	4257^26	4285^26
4254^26	4339^27	4368^28
4331^27	4417^28	4446^29
4408^28	4495^29	4524^30
4491^29	4579^31	4608^31
4576^30	4665^32	4695^32
4662^31	4752^33	4781^34
4709^32	4799^34	4829^34
4715^32	4805^34	4835^34
4715^32	4806^34	4836^34
4716^32	4807^34	4838^34
4419^28	4512^30	4542^30
4637^31	4734^33	4766^33
4652^31	4751^33	4783^33

High QNH **+80** per .10"
Low QNH **-200** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4177D25	4262D26	4290D27
36	4259D26	4344D27	4373D28
34	4336D27	4422D28	4451D29
32	4412D28	4499D30	4528D30
30	4495D29	4583D31	4612D31
28	4581D31	4670D32	4699D33
26	4666D32	4756D33	4786D34
24	4712D32	4802D34	4832D34
22	4718D32	4808D34	4838D34
20	4718D32	4809D34	4840D34
18	4719D32	4810D34	4841D34
10	4719D32	4812D34	4844D35
0	4708D32	4805D34	4837D34
-10	4699D32	4798D34	4832D34

High QNH **+80** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3010**
Wing A/I ON **-3010**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4172D24	4257D26	4285D27
4254D26	4339D27	4368D28
4331D27	4417D28	4446D29
4408D28	4495D30	4524D30
4491D29	4579D31	4608D31
4576D30	4665D32	4695D32
4662D32	4752D33	4781D34
4709D32	4799D34	4829D34
4715D32	4805D34	4835D34
4715D32	4806D34	4836D34
4716D32	4807D34	4838D34
4419D28	4512D30	4542D30
4637D31	4734D33	4766D34
4652D31	4751D33	4783D34

High QNH **+80** per .10"
Low QNH **-200** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4499^11	4632^21	4668^24
26	4567^12	4715^21	4752^24
24	4616^12	4762^22	4799^25
22	4644^13	4771^23	4808^26
20	4655^13	4773^23	4811^26
18	4665^14	4776^24	4813^27
16	4667^14	4778^24	4816^27
14	4668^15	4780^25	4818^28
12	4668^15	4782^25	4820^28
10	4669^16	4783^26	4822^29
0	4666^18	4784^28	4824^32
-10	4664^21	4786^31	4826^34
-20	4662^24	4786^33	4821^34
-30	4655^27	4774^33	4810^34

High QNH **+80** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-2820**
Wing A/I ON **-2820**

LEVEL 2 CONTAM

Flaps 9 -10T	+0	+10H
4280^15	4474^23	4549^25
4349^15	4544^23	4620^26
4402^16	4600^24	4677^27
4437^17	4643^25	4722^28
4448^17	4656^26	4736^28
4460^18	4670^26	4750^28
4470^18	4682^26	4762^29
4481^18	4695^27	4776^29
4492^19	4709^27	4784^30
4503^19	4721^27	4788^30
4552^21	4752^30	4798^32
4609^23	4762^32	4804^34
4628^25	4764^33	4799^34
4628^28	4753^33	4789^33

High QNH **+60** per .10"
Low QNH **-180** per .10"

Engine A/I ON **-2350**
Wing A/I ON **-2350**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	5016	Length	13140	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**27 Sep 17**

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GUADALAJARA -GDL 10-871M *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.1 GDL	**D5.9 IAIG**	**LT H040**	**6016'**	

NOTAMS A3550/20 A3551/20 A3566/20

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.8	4166^24	4250^26	4280^26	4166D23	4250D26	4280D26	4336
36	89.2	4248^25	4333^27	4363^28	4248D24	4333D27	4363D28	4420
34	89.5	4325^27	4411^28	4441^29	4325D24	4411D28	4441D29	4498
32	89.9	4400^28	4488^29	4517^30	4400D24	4488D29	4517D30	4575
30	90.2	4483^29	4572^31	4601^31	4483D25	4572D31	4601D31	4656
28	90.1	4568^30	4658^32	4688^32	4568^25	4658D32	4688D32	4745
26	90.0	4653^31	4744^33	4774^33	4651^25	4744D33	4774D34	4833
24	89.9	4697^32	4788^34	4819^34	4694^26	4788D34	4819D34	4875
22	89.8	4700^32	4792^34	4822^34	4698^26	4792D34	4822D34	4881
20	89.7	4701^32	4793^34	4824^34	4699^27	4793D34	4824D34	4883
18	89.4	4701^32	4794^34	4825^34	4701^27	4794D34	4825D34	4885
10	88.2	4701^32	4796^34	4828^34	4701D29	4796D34	4828D34	4890
0	86.6	4691^32	4789^34	4822^34	4691D32	4789D34	4822D34	4885
-10	85.0	4682^32	4783^33	4817^34	4682D32	4783D33	4817D34	4886
-20	83.4	4672^31	4776^33	4811^34	4672D32	4776D33	4811D34	4884
-30	81.7	4657^31	4764^33	4801^34	4657D31	4764D33	4801D34	4880

High QNH **+80** per .10" Engine A/I ON **-2980**
Low QNH **-170** per .10" Wing A/I ON **-2980**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.2	4178^24	4262^26	4290^27	4178D25	4262D26	4290D27	4336
36	92.5	4259^26	4344^27	4373^28	4259D25	4344D27	4373D28	4420
34	92.9	4336^27	4422^28	4451^29	4336D26	4422D28	4451D29	4498
32	93.3	4412^28	4498^29	4527^30	4412D26	4498D30	4527D30	4575
30	93.7	4495^29	4583^31	4612^31	4495D27	4583D31	4612D31	4656
28	93.7	4581^30	4670^32	4699^32	4581D27	4670D32	4699D33	4745
26	93.8	4666^32	4756^33	4786^34	4666^27	4756D33	4786D34	4833
24	93.6	4712^32	4802^34	4832^34	4712^28	4802D34	4832D34	4875
22	93.3	4718^32	4808^34	4838^34	4718D29	4808D34	4838D34	4881
20	93.0	4718^32	4809^34	4840^34	4718D30	4809D34	4840D34	4883
18	92.7	4719^32	4810^34	4841^34	4719D30	4810D34	4841D34	4885
10	91.4	4719^32	4812^34	4844^34	4719D32	4812D34	4844D35	4890
0	89.8	4708^32	4805^34	4837^34	4708D32	4805D34	4837D34	4885
-10	88.1	4699^32	4798^34	4832^34	4699D32	4798D34	4832D34	4886
-20	86.4	4688^32	4791^34	4826^34	4688D32	4791D34	4826D34	4884
-30	84.7	4672^31	4779^33	4815^34	4672D32	4779D33	4815D34	4880

High QNH **+80** per .10" Engine A/I ON **-3010**
Low QNH **-170** per .10" Wing A/I ON **-3010**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
38	92.2	4305^32-32-41	4385^34-34-42	4391C34-34-42	4391C34-34-42
36	92.5	4389^34-34-42	4470^35-35-44	4476C35-35-44	4476C35-35-44
34	92.9	4469^35-35-44	4550^36-36-45	4557C36-36-45	4557C36-36-45
32	93.3	4547^36-36-45	4630^38-38-46	4634C38-38-46	4634C38-38-46
30	93.7	4632^37-37-46	4711C39-39-47	4711C39-39-47	4711C39-39-47
28	93.7	4721^39-39-48	4801C40-40-49	4801C40-40-49	4801C40-40-49
26	93.8	4809^40-40-49	4891C41-41-50	4891C41-41-50	4891C41-41-50
24	93.6	4856^40-40-50	4938C42-42-51	4938C42-42-51	4938C42-42-51
22	93.3	4863^41-41-50	4942C42-42-51	4942C42-42-51	4942C42-42-51
20	93.0	4864^41-41-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
18	92.7	4864^41-41-50	4946C42-42-51	4946C42-42-51	4946C42-42-51
10	91.4	4864^41-41-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
0	89.8	4855^40-40-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
-10	88.1	4845^40-40-49	4941^42-42-51	4950C42-42-51	4950C42-42-51
-20	86.4	4834^40-40-49	4933^42-42-51	4950C42-42-51	4950C42-42-51
-30	84.7	4818^40-40-49	4921^42-42-51	4948C42-42-51	4948C42-42-51

High QNH **+10** per .10" Engine A/I ON **-3050**
Low QNH **-180** per .10" Wing A/I ON **-3050**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	5016	Length	11453	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**02 Jul 20**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4178^24	4262^26	4290^27
36	4259^26	4344^27	4373^28
34	4336^27	4422^28	4451^29
32	4412^28	4498^29	4527^30
30	4495^29	4583^31	4612^31
28	4581^30	4670^32	4699^32
26	4666^32	4756^33	4786^34
24	4712^32	4802^34	4832^34
22	4718^32	4808^34	4838^34
20	4718^32	4809^34	4840^34
18	4719^32	4810^34	4841^34
10	4719^32	4812^34	4844^34
0	4708^32	4805^34	4837^34
-10	4699^32	4798^34	4832^34

High QNH **+80** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3010**
Wing A/I ON **-3010**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4172^24	4257^26	4285^26
36	4254^26	4339^27	4368^28
34	4331^27	4417^28	4447^29
32	4408^28	4494^29	4523^30
30	4490^29	4579^31	4608^31
28	4576^30	4665^32	4695^32
26	4662^31	4752^33	4781^34
24	4709^32	4799^34	4829^34
22	4715^32	4805^34	4835^34
20	4715^32	4806^34	4836^34
18	4716^32	4807^34	4838^34
10	4419^28	4510^30	4541^30
0	4637^31	4734^33	4766^33
-10	4652^31	4751^33	4783^33

High QNH **+80** per .10"
Low QNH **-200** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4178D25	4262D26	4290D27
36	4259D25	4344D27	4373D28
34	4336D26	4422D28	4451D29
32	4412D26	4498D30	4527D30
30	4495D27	4583D31	4612D31
28	4581D27	4670D32	4699D33
26	4666^27	4756D33	4786D34
24	4712^28	4802D34	4832D34
22	4718D29	4808D34	4838D34
20	4718D30	4809D34	4840D34
18	4719D30	4810D34	4841D34
10	4719D32	4812D34	4844D35
0	4708D32	4805D34	4837D34
-10	4699D32	4798D34	4832D34

High QNH **+80** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3010**
Wing A/I ON **-3010**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4172D25	4257D26	4285D27
36	4254D25	4339D27	4368D28
34	4331D26	4417D28	4447D29
32	4408D26	4494D30	4523D30
30	4490D26	4579D31	4608D31
28	4576D27	4665D32	4695D32
26	4662^27	4752D33	4781D34
24	4709^28	4799D34	4829D34
22	4715D29	4805D34	4835D34
20	4715D29	4806D34	4836D34
18	4716D30	4807D34	4838D34
10	4419D28	4510D30	4541D30
0	4637D31	4734D33	4766D34
-10	4652D31	4751D33	4783D34

High QNH **+80** per .10"
Low QNH **-200** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4297F 4	4541F13	4623F16
26	4361F 5	4605F14	4691F17
24	4408F 5	4656F14	4742F17
22	4437F 6	4690F15	4777F18
20	4450F 6	4704F15	4788^18
18	4463F 7	4717F16	4791^19
16	4476F 7	4732F16	4793^19
14	4488F 7	4746F17	4795^20
12	4501F 8	4759F17	4797^20
10	4514F 8	4761^17	4799^21
0	4574F10	4761^20	4800^23
-10	4640F12	4762^23	4802^26
-20	4639^15	4763^25	4804^29
-30	4632^18	4759^28	4803^32

High QNH **+60** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-2840**
Wing A/I ON **-2840**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4023F 9	4242F17	4316F19
26	4088F 9	4310F17	4385F20
24	4139F10	4365F18	4442F21
22	4174F11	4408F19	4488F21
20	4186F11	4421F19	4501F22
18	4197F11	4434F20	4514F22
16	4209F12	4447F20	4526F23
14	4220F12	4459F20	4539F23
12	4231F12	4471F21	4552F23
10	4243F13	4484F21	4565F24
0	4296F14	4543F23	4625F26
-10	4357F16	4609F25	4687F27
-20	4419F18	4674F27	4754F29
-30	4482F20	4717^29	4769^32

High QNH **+50** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-1340**
Wing A/I ON **-1340**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	5016	Length	11453	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**02 Jul 20**

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GUADALAJARA -GDL 20 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D2.0 GDL	***5300'**	**RT H050**	**6016'**	

*USE ONLY IF GDL DME OTS

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.8	3290F 6	3514F11	3583F13	2676F95	3495F 1	3577F 4	4336
36	89.2	3337F 7	3566F12	3636F13		3543F 2	3627F 5	4420
34	89.5	3383F 8	3614F13	3687F14		3589F 2	3675F 5	4498
32	89.9	3427F 8	3661F13	3736F15		3633F 3	3722F 6	4575
30	90.2	3471F 9	3707F14	3785F16		3677F 3	3769F 6	4656
28	90.1	3517F10	3755F15	3837F16		3725F 3	3819F 7	4745
26	90.0	3564F10	3804F15	3889F17		3773F 4	3868F 7	4833
24	89.9	3594F11	3835F16	3921F18		3804F 4	3900F 7	4875
22	89.8	3606F11	3849F16	3934F18		3817F 5	3914F 8	4881
20	89.7	3617F11	3862F16	3947F18		3831F 5	3928F 8	4883
18	89.4	3627F11	3873F17	3957F18		3843F 5	3938F 8	4885
10	88.2	3667F12	3919F17	3999F19	2772F 1	3891F 7	3986F10	4890
0	86.6	3714F13	3968F18	4047F20	3459F99	3948F 8	4043F12	4885
-10	85.0	3766F14	4019F19	4102F21	3583F 1	4008F10	4102D14	4886
-20	83.4	3820F15	4073F20	4159F22	3778F 2	4071F12	4159D15	4884
-30	81.7	3875F17	4129F22	4217F23	3839F 4	4129D14	4217D17	4880

High QNH **+50** per .10" Engine A/I ON **-1050**
Low QNH **-130** per .10" Wing A/I ON **-1050**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 22 -10T	+0	+10H	TO-1 - WET RWY Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.2	3588^ 4	3676^ 7	3706^ 8	3533^90	3676D 0	3706D 3	3812
36	92.5	3650^ 4	3749^ 8	3778^ 8	3585^91	3749D 0	3778D 4	3888
34	92.9	3708^ 5	3813^ 9	3844^ 9	3635^91	3813D 1	3844D 4	3959
32	93.3	3762^ 5	3874^10	3875^10	3634^92	3874D 1	3875D 4	3994
30	93.7	3818^ 6	3935^10	3875^10	3616^93	3935D 2	3875D 5	3994
28	93.7	3882^ 6	4005^11	4037^12	3585^93	4005^ 2	4037D 5	4184
26	93.8	3940^ 7	4075^12	4108^13	3557^94	4067^ 2	4108D 5	4266
24	93.6	3987^ 7	4118^13	4151^13	3569^95	4110^ 3	4151D 6	4303
22	93.3	4011^ 8	4134^13	4160^13	3627^95	4134^ 4	4160D 7	4308
20	93.0	4020^ 8	4141^13	4160^13	3660^95	4141D 4	4160D 7	4308
18	92.7	4028^ 9	4147^13	4181^13	3692^95	4147D 4	4181D 8	4312
10	91.4	4058^10	4159^13	4192^14	3818^96	4159D 6	4192D 9	4317
0	89.8	4047^11	4149^13	4183^13	3977^98	4149D 8	4183D11	4310
-10	88.1	4039^11	4144^13	4179^13	4007^99	4144D10	4179D14	4313
-20	86.4	4028^11	4137^13	4174^13	4024^ 1	4137D12	4174D14	4312
-30	84.7	4013^11	4126^13	4163^13	4013^ 4	4126D13	4163D13	4308

High QNH **+30** per .10" Engine A/I ON **-2750**
Low QNH **-150** per .10" Wing A/I ON **-2750**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 22 -10T	+0	+10H	+20H
38	92.2	3588^ 4- 6-13	3676^ 7- 7-14	3706^ 8- 8-14	3735^ 8- 8-15
36	92.5	3650^ 4- 6-14	3749^ 8- 8-15	3778^ 8- 8-15	3808^ 9- 9-16
34	92.9	3708^ 5- 7-14	3813^ 9- 9-16	3844^ 9- 9-16	3878^10-10-17
32	93.3	3762^ 5- 8-15	3874^10-10-17	3875^10-10-17	3938^11-11-18
30	93.7	3818^ 6- 9-16	3935^10-10-18	3875^10-10-17	4001^11-11-18
28	93.7	3882^ 6- 9-17	4005^11-11-19	4037^12-12-19	4071^12-12-19
26	93.8	3940^ 7-10-18	4075^12-12-19	4108^13-13-20	4142^13-13-20
24	93.6	3987^ 7-11-18	4118^13-13-20	4151^13-13-20	4186^14-14-21
22	93.3	4011^ 8-11-19	4134^13-13-20	4160^13-13-20	4203^14-14-21
20	93.0	4020^ 8-11-19	4141^13-13-20	4160^13-13-20	4210^14-14-21
18	92.7	4028^ 9-11-19	4147^13-13-20	4181^13-13-21	4215^14-14-21
10	91.4	4058^10-12-19	4159^13-13-20	4192^14-14-21	4226^14-14-21
0	89.8	4047^11-11-19	4149^13-13-20	4183^13-13-21	4218^14-14-21
-10	88.1	4039^11-11-19	4144^13-13-20	4179^13-13-21	4215^14-14-21
-20	86.4	4028^11-11-19	4137^13-13-20	4174^13-13-21	4210^14-14-21
-30	84.7	4013^11-11-19	4126^13-13-20	4163^13-13-20	4201^14-14-21

High QNH **+30** per .10" Engine A/I ON **-2750**
Low QNH **-150** per .10" Wing A/I ON **-2750**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5016 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope +0.32
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 22 -10T	+0	+10H
38	3588^ 4	3676^ 7	3706^ 8
36	3650^ 4	3749^ 8	3778^ 8
34	3708^ 5	3813^ 9	3844^ 9
32	3762^ 5	3874^10	3875^10
30	3818^ 6	3935^10	3875^10
28	3882^ 6	4005^11	4037^12
26	3940^ 7	4075^12	4108^13
24	3987^ 7	4118^13	4151^13
22	4011^ 8	4134^13	4160^13
20	4020^ 8	4141^13	4160^13
18	4028^ 9	4147^13	4181^13
10	4058^10	4159^13	4192^14
0	4047^11	4149^13	4183^13
-10	4039^11	4144^13	4179^13

High QNH **+30** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-2750**
Wing A/I ON **-2750**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 22 -10T	+0	+10H
38	3583^ 4	3672^ 7	3701^ 8
36	3643^ 4	3745^ 8	3774^ 8
34	3701^ 5	3808^ 9	3838^ 9
32	3755^ 5	3869^10	3838^ 9
30	3812^ 6	3930^10	3961^11
28	3873^ 6	4000^11	4032^12
26	3931^ 6	4070^12	4103^12
24	3978^ 7	4113^12	4146^13
22	4005^ 8	4130^13	4157^13
20	4013^ 8	4135^13	4155^13
18	4022^ 9	4142^13	4155^13
10	3789^ 8	3884^10	3916^10
0	3982^11	4083^12	4117^13
-10	3999^11	4104^12	4138^13

High QNH **+30** per .10"
Low QNH **-180** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
38			
36			
34			
32			
30			
28			
26			
24			
22			
20			
18			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 22 -10T	+0	+10H
38	3533^90	3676D 0	3706D 3
36	3585^91	3749D 0	3778D 4
34	3635^91	3813D 1	3844D 4
32	3634^92	3874D 1	3875D 4
30	3616^93	3935D 2	3875D 5
28	3585^93	4005^ 2	4037D 5
26	3557^94	4067^ 2	4108D 5
24	3569^95	4110^ 3	4151D 6
22	3627^95	4134^ 4	4160D 7
20	3660^95	4141D 4	4160D 7
18	3692^95	4147D 4	4181D 8
10	3818^96	4159D 6	4192D 9
0	3977^98	4149D 8	4183D11
-10	4007^99	4144D10	4179D14

High QNH **+30** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-2750**
Wing A/I ON **-2750**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 22 -10T	+0	+10H
38	3526^90	3672D 0	3701D 3
36	3578^91	3745D 0	3774D 4
34	3629^91	3808D 1	3838D 4
32	3624^92	3869D 1	3838D 4
30	3606^92	3930D 1	3961D 5
28	3576^93	3999^ 2	4032D 5
26	3547^94	4062^ 2	4103D 5
24	3560^95	4105^ 3	4146D 6
22	3619^95	4129^ 3	4157D 7
20	3652^95	4135D 4	4155D 7
18	3684^95	4142D 4	4155D 7
10	3782^96	3884D 7	3916D10
0	3969^97	4083D 8	4117D11
-10	3993^99	4104D10	4138D13

High QNH **+30** per .10"
Low QNH **-180** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
38			
36			
34			
32			
30			
28			
26			
24			
22			
20			
18			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 2 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 5016 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope +0.32
Rwy Rev. Program Rules FAA **26 Oct 17**

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GUADALAJARA -GDL 28 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.4 GDL	**D6.4 IGDL**	***RT ZAP**	**6100'**	**STD**

*IF ZAP VOR OTS RT H340 AT D15.9 GDL RT GDL VOR HOLD STD NOTAMS A3555/20

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
38	88.8	4166^24	4252^26	4280^26
36	89.2	4247^25	4334^27	4363^28
34	89.5	4324^27	4411^28	4441^29
32	89.9	4401^28	4487^29	4517^30
30	90.2	4483^29	4572^31	4601^31
28	90.1	4568^30	4658^32	4688^32
26	90.0	4653^31	4744^33	4774^33
24	89.9	4697^32	4788^33	4819^34
22	89.8	4699^32	4791^34	4822^34
20	89.7	4700^32	4793^34	4824^34
18	89.4	4701^32	4794^34	4825^34
10	88.2	4701^32	4796^34	4828^34
0	86.6	4691^32	4789^33	4822^34
-10	85.0	4682^32	4783^33	4816^34
-20	83.4	4672^31	4776^33	4811^34
-30	81.7	4656^31	4764^33	4800^34

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4166D24	4252D26	4280D26	4336
4247D26	4334D27	4363D28	4420
4324D27	4411D28	4441D29	4498
4401D28	4487D29	4517D30	4575
4483D29	4572D31	4601D31	4656
4568D30	4658D32	4688D32	4745
4653D31	4744D33	4774D34	4833
4697D32	4788D34	4819D34	4875
4699D32	4791D34	4822D34	4881
4700D32	4793D34	4824D34	4883
4701D32	4794D34	4825D34	4885
4701D32	4796D34	4828D34	4890
4691D32	4789D34	4822D34	4885
4682D32	4783D33	4816D34	4886
4672D32	4776D33	4811D34	4884
4656D31	4764D33	4800D34	4880

High QNH **+80** per .10" — Engine A/I ON **-2980**
Low QNH **-170** per .10" — Wing A/I ON **-2980**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
38	92.2	4177^24	4261^26	4290^27
36	92.5	4259^26	4344^27	4373^28
34	92.9	4336^27	4422^28	4451^29
32	93.3	4412^28	4498^29	4527^30
30	93.7	4495^29	4583^31	4612^31
28	93.7	4581^30	4670^32	4699^32
26	93.8	4666^32	4755^33	4785^34
24	93.6	4712^32	4802^34	4832^34
22	93.3	4718^32	4808^34	4838^34
20	93.0	4718^32	4809^34	4839^34
18	92.7	4719^32	4810^34	4840^34
10	91.4	4718^32	4812^34	4843^34
0	89.8	4708^32	4805^34	4837^34
-10	88.1	4699^32	4798^34	4831^34
-20	86.4	4687^32	4791^34	4825^34
-30	84.7	4672^31	4779^33	4815^34

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4177D25	4261D26	4290D27	4336
4259D26	4344D27	4373D28	4420
4336D27	4422D28	4451D29	4498
4412D28	4498D30	4527D30	4575
4495D29	4583D31	4612D31	4656
4581D31	4670D32	4699D33	4745
4666D32	4755D33	4785D34	4833
4712D32	4802D34	4832D34	4875
4718D32	4808D34	4838D34	4881
4718D32	4809D34	4839D34	4883
4719D32	4810D34	4840D34	4885
4718D32	4812D34	4843D35	4890
4708D32	4805D34	4837D34	4885
4699D32	4798D34	4831D34	4886
4687D32	4791D34	4825D34	4884
4672D32	4779D33	4815D34	4880

High QNH **+80** per .10" — Engine A/I ON **-3010**
Low QNH **-170** per .10" — Wing A/I ON **-3010**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
38	92.2	4304^32-32-41	4385^34-34-42	4391C34-34-42	4391C34-34-42
36	92.5	4388^34-34-42	4469^35-35-44	4476C35-35-44	4476C35-35-44
34	92.9	4468^35-35-44	4550^36-36-45	4557C36-36-45	4557C36-36-45
32	93.3	4547^36-36-45	4630^38-38-46	4634C38-38-46	4634C38-38-46
30	93.7	4632^37-37-46	4711C39-39-47	4711C39-39-47	4711C39-39-47
28	93.7	4720^39-39-48	4801C40-40-49	4801C40-40-49	4801C40-40-49
26	93.8	4808^40-40-49	4891C41-41-50	4891C41-41-50	4891C41-41-50
24	93.6	4856^40-40-50	4938C42-42-51	4938C42-42-51	4938C42-42-51
22	93.3	4862^41-41-50	4942C42-42-51	4942C42-42-51	4942C42-42-51
20	93.0	4863^41-41-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
18	92.7	4863^41-41-50	4946C42-42-51	4946C42-42-51	4946C42-42-51
10	91.4	4864^41-41-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
0	89.8	4855^40-40-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
-10	88.1	4845^40-40-49	4940^42-42-51	4950C42-42-51	4950C42-42-51
-20	86.4	4833^40-40-49	4933^42-42-51	4950C42-42-51	4950C42-42-51
-30	84.7	4818^40-40-49	4921^42-42-51	4948C42-42-51	4948C42-42-51

High QNH **+10** per .10" — Engine A/I ON **-3050**
Low QNH **-180** per .10" — Wing A/I ON **-3050**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5016 Length 13140 Shift **0** Clearway 0 Stopway 0 Slope +0.01
Rwy Rev. Program Rules FAA **02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	4177^24	4261^26	4290^27	4172^24	4256^26	4285^26			
36	4259^26	4344^27	4373^28	4254^26	4339^27	4368^28			
34	4336^27	4422^28	4451^29	4331^27	4417^28	4447^29			
32	4412^28	4498^29	4527^30	4409^28	4494^29	4523^30			
30	4495^29	4583^31	4612^31	4490^29	4578^31	4608^31			
28	4581^30	4670^32	4699^32	4576^30	4665^32	4694^32			
26	4666^32	4755^33	4785^34	4662^31	4751^33	4781^34			
24	4712^32	4802^34	4832^34	4709^32	4799^34	4829^34			
22	4718^32	4808^34	4838^34	4714^32	4805^34	4835^34			
20	4718^32	4809^34	4839^34	4715^32	4806^34	4836^34			
18	4719^32	4810^34	4840^34	4715^32	4807^34	4837^34			
10	4718^32	4812^34	4843^34	4419^28	4510^30	4541^30			
0	4708^32	4805^34	4837^34	4637^31	4733^33	4766^33			
-10	4699^32	4798^34	4831^34	4652^31	4750^33	4783^33			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+80** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-3010** Wing A/I ON **-3010**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	4177D25	4261D26	4290D27	4172D24	4256D26	4285D27			
36	4259D26	4344D27	4373D28	4254D26	4339D27	4368D28			
34	4336D27	4422D28	4451D29	4331D27	4417D28	4447D29			
32	4412D28	4498D30	4527D30	4409D28	4494D30	4523D30			
30	4495D29	4583D31	4612D31	4490D29	4578D31	4608D31			
28	4581D31	4670D32	4699D33	4576D30	4665D32	4694D32			
26	4666D32	4755D33	4785D34	4662D32	4751D33	4781D34			
24	4712D32	4802D34	4832D34	4709D32	4799D34	4829D34			
22	4718D32	4808D34	4838D34	4714D32	4805D34	4835D34			
20	4718D32	4809D34	4839D34	4715D32	4806D34	4836D34			
18	4719D32	4810D34	4840D34	4715D32	4807D34	4837D34			
10	4718D32	4812D34	4843D35	4419D28	4510D30	4541D30			
0	4708D32	4805D34	4837D34	4637D31	4733D33	4766D34			
-10	4699D32	4798D34	4831D34	4652D31	4750D33	4783D34			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+80** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-3010** Wing A/I ON **-3010**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4526^12	4633^21	4669^24	4302F15	4528F23	4608F25			
26	4608^12	4716^22	4753^25	4370F16	4600F23	4680F26			
24	4654^13	4763^22	4800^25	4427F16	4659F24	4741F27			
22	4662^13	4772^23	4809^26	4468F17	4706F25	4768^28			
20	4664^14	4775^24	4812^27	4481F18	4720F25	4773^28			
18	4666^14	4777^24	4814^27	4493F18	4733F26	4776^29			
16	4668^15	4779^25	4817^28	4505F18	4736^26	4780^29			
14	4668^15	4781^25	4819^28	4517F19	4740^27	4783^30			
12	4669^16	4783^26	4821^29	4529F19	4743^27	4787^30			
10	4670^16	4785^26	4823^29	4541F19	4746^28	4791^30			
0	4667^19	4785^29	4826^32	4599F21	4754^30	4802^33			
-10	4665^22	4787^32	4826^34	4626^23	4766^32	4804^34			
-20	4663^24	4786^33	4820^34	4630^26	4764^33	4799^34			
-30	4656^27	4774^33	4810^34	4630^29	4753^33	4789^33			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+60** per .10" Low QNH **-180** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2810** Wing A/I ON **-2810**			Engine A/I ON **-2570** Wing A/I ON **-2570**			Engine A/I ON Wing A/I ON		

Elevation 5016 Length 13140 Shift **0** Clearway 0 Stopway 0 Slope +0.01

Rwy Rev. Program Rules FAA **02 Jul 20**

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GUADALAJARA -GDL 28-871M *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.4 GDL	**D6.4 IGDL**	***RT ZAP**	**6100'**	**STD**

*IF ZAP VOR OTS RT H340 AT D15.9 GDL RT GDL VOR HOLD STD NOTAMS A3550/20 A3551/20 A3557/20

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
38	88.8	4166^24	4251^26	4280^26
36	89.2	4247^25	4334^27	4363^28
34	89.5	4324^27	4412^28	4441^29
32	89.9	4400^28	4487^29	4517^30
30	90.2	4482^29	4572^31	4601^31
28	90.1	4568^30	4658^32	4688^32
26	90.0	4653^31	4744^33	4774^33
24	89.9	4697^32	4788^33	4819^34
22	89.8	4699^32	4791^34	4822^34
20	89.7	4700^32	4793^34	4824^34
18	89.4	4701^32	4794^34	4825^34
10	88.2	4701^32	4796^34	4828^34
0	86.6	4691^32	4789^33	4822^34
-10	85.0	4682^32	4783^33	4816^34
-20	83.4	4672^31	4776^33	4811^34
-30	81.7	4656^31	4764^33	4800^34

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4166D24	4251D26	4280D26	4336
4247D26	4334D27	4363D28	4420
4324D27	4412D28	4441D29	4498
4400D27	4487D29	4517D30	4575
4482D27	4572D31	4601D31	4656
4568D28	4658D32	4688D32	4745
4653D28	4744D33	4774D34	4833
4697D29	4788D34	4819D34	4875
4699D29	4791D34	4822D34	4881
4700D30	4793D34	4824D34	4883
4701D30	4794D34	4825D34	4885
4701D32	4796D34	4828D34	4890
4691D32	4789D34	4822D34	4885
4682D32	4783D33	4816D34	4886
4672D32	4776D33	4811D34	4884
4656D31	4764D33	4800D34	4880

High QNH **+80** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-2980** — Wing A/I ON **-2980**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
38	92.2	4177^24	4262^26	4290^27
36	92.5	4259^26	4344^27	4373^28
34	92.9	4336^27	4422^28	4451^29
32	93.3	4412^28	4498^29	4527^30
30	93.7	4495^29	4583^31	4612^31
28	93.7	4581^30	4670^32	4699^32
26	93.8	4666^32	4755^33	4785^34
24	93.6	4712^32	4802^34	4832^34
22	93.3	4718^32	4808^34	4838^34
20	93.0	4718^32	4809^34	4839^34
18	92.7	4719^32	4810^34	4840^34
10	91.4	4718^32	4812^34	4843^34
0	89.8	4708^32	4805^34	4837^34
-10	88.1	4699^32	4798^34	4831^34
-20	86.4	4687^32	4791^34	4825^34
-30	84.7	4672^31	4779^33	4815^34

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4177D25	4262D26	4290D27	4336
4259D26	4344D27	4373D28	4420
4336D27	4422D28	4451D29	4498
4412D28	4498D30	4527D30	4575
4495D29	4583D31	4612D31	4656
4581D30	4670D32	4699D33	4745
4666D30	4755D33	4785D34	4833
4712D31	4802D34	4832D34	4875
4718D32	4808D34	4838D34	4881
4718D32	4809D34	4839D34	4883
4719D32	4810D34	4840D34	4885
4718D32	4812D34	4843D35	4890
4708D32	4805D34	4837D34	4885
4699D32	4798D34	4831D34	4886
4687D32	4791D34	4825D34	4884
4672D32	4779D33	4815D34	4880

High QNH **+80** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-3010** — Wing A/I ON **-3010**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
38	92.2	4305^32-32-41	4385^34-34-42	4391C34-34-42	4391C34-34-42
36	92.5	4388^34-34-42	4470^35-35-44	4476C35-35-44	4476C35-35-44
34	92.9	4468^35-35-44	4550^36-36-45	4557C36-36-45	4557C36-36-45
32	93.3	4547^36-36-45	4630^38-38-46	4634C38-38-46	4634C38-38-46
30	93.7	4632^37-37-46	4711C39-39-47	4711C39-39-47	4711C39-39-47
28	93.7	4720^39-39-48	4801C40-40-49	4801C40-40-49	4801C40-40-49
26	93.8	4808^40-40-49	4891C41-41-50	4891C41-41-50	4891C41-41-50
24	93.6	4856^40-40-50	4938C42-42-51	4938C42-42-51	4938C42-42-51
22	93.3	4862^41-41-50	4942C42-42-51	4942C42-42-51	4942C42-42-51
20	93.0	4863^41-41-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
18	92.7	4863^41-41-50	4946C42-42-51	4946C42-42-51	4946C42-42-51
10	91.4	4864^41-41-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
0	89.8	4855^40-40-50	4944C42-42-51	4944C42-42-51	4944C42-42-51
-10	88.1	4845^40-40-49	4940^42-42-51	4950C42-42-51	4950C42-42-51
-20	86.4	4833^40-40-49	4933^42-42-51	4950C42-42-51	4950C42-42-51
-30	84.7	4818^40-40-49	4921^42-42-51	4948C42-42-51	4948C42-42-51

High QNH **+10** per .10" — Low QNH **-180** per .10"

Engine A/I ON **-3050** — Wing A/I ON **-3050**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5016 Length 11969 Shift **0** Clearway 0 Stopway 0 Slope +0.01

Rwy Rev. Program Rules FAA **02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	4177^24	4262^26	4290^27	4172^24	4257^26	4285^26			
36	4259^26	4344^27	4373^28	4253^26	4339^27	4368^28			
34	4336^27	4422^28	4451^29	4331^27	4417^28	4447^29			
32	4412^28	4498^29	4527^30	4408^28	4494^29	4523^30			
30	4495^29	4583^31	4612^31	4490^29	4578^31	4608^31			
28	4581^30	4670^32	4699^32	4576^30	4665^32	4694^32			
26	4666^32	4755^33	4785^34	4662^31	4751^33	4781^34			
24	4712^32	4802^34	4832^34	4709^32	4799^34	4829^34			
22	4718^32	4808^34	4838^34	4714^32	4805^34	4835^34			
20	4718^32	4809^34	4839^34	4715^32	4806^34	4836^34			
18	4719^32	4810^34	4840^34	4715^32	4807^34	4837^34			
10	4718^32	4812^34	4843^34	4419^28	4510^30	4541^30			
0	4708^32	4805^34	4837^34	4637^31	4733^33	4766^33			
-10	4699^32	4798^34	4831^34	4652^31	4750^33	4783^33			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+80** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-3010** Wing A/I ON **-3010**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
38	4177D25	4262D26	4290D27	4172D25	4257D26	4285D27			
36	4259D26	4344D27	4373D28	4253D26	4339D27	4368D28			
34	4336D27	4422D28	4451D29	4331D27	4417D28	4447D29			
32	4412D28	4498D30	4527D30	4408D28	4494D30	4523D30			
30	4495D29	4583D31	4612D31	4490D29	4578D31	4608D31			
28	4581D30	4670D32	4699D33	4576D30	4665D32	4694D32			
26	4666D30	4755D33	4785D34	4662D30	4751D33	4781D34			
24	4712D31	4802D34	4832D34	4709D31	4799D34	4829D34			
22	4718D32	4808D34	4838D34	4714D32	4805D34	4835D34			
20	4718D32	4809D34	4839D34	4715D32	4806D34	4836D34			
18	4719D32	4810D34	4840D34	4715D32	4807D34	4837D34			
10	4718D32	4812D34	4843D35	4419D28	4510D30	4541D30			
0	4708D32	4805D34	4837D34	4637D31	4733D33	4766D34			
-10	4699D32	4798D34	4831D34	4652D31	4750D33	4783D34			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+80** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-3010** Wing A/I ON **-3010**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4390F 7	4618^16	4654^19	4109F11	4335F19	4412F21			
26	4454F 7	4700F16	4738^19	4175F11	4404F19	4482F22			
24	4502F 7	4748^16	4784^20	4227F12	4460F20	4540F22			
22	4534F 8	4756^17	4793^21	4262F13	4503F21	4587F23			
20	4547F 9	4759^18	4796^21	4277F13	4517F21	4601F24			
18	4560F 9	4761^18	4798^22	4288F13	4530F22	4614F24			
16	4573F 9	4763^19	4801^22	4298F14	4543F22	4628F24			
14	4586F10	4765^19	4803^22	4311F14	4557F22	4641F25			
12	4597F10	4767^20	4805^23	4321F14	4570F23	4654F25			
10	4610F10	4768^20	4807^23	4333F15	4583F23	4667F25			
0	4651^13	4768^23	4808^26	4388F17	4645F25	4731F27			
-10	4650^15	4770^25	4810^29	4451F19	4714F27	4772^30			
-20	4646^18	4771^28	4812^32	4517F21	4735^29	4783^32			
-30	4639^21	4768^31	4810^34	4580F22	4742^32	4789^33			
	High QNH **+80** per .10" Low QNH **-170** per .10"			High QNH **+60** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2830** Wing A/I ON **-2830**			Engine A/I ON **-1350** Wing A/I ON **-1350**			Engine A/I ON Wing A/I ON		

Elevation 5016 Length 11969 Shift **0** Clearway 0 Stopway 0 Slope +0.01

Rwy Rev. Program Rules FAA **02 Jul 20**

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HERMOSILLO -HMO 05 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D2.0 HMO	***900'**	**RT H230**	**1627'**	

*USE ONLY IF HMO DME OTS

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.5	3924^19	4063^21	4106^22	3907^ 9	4063D19	4106D22	4612
46	87.8	3999^20	4143^22	4188^23	3978^ 9	4143D20	4188D23	4725
44	87.9	4060^20	4208^23	4254^24	4035^10	4208D20	4254D23	4829
42	87.8	4107^21	4258^24	4305^25	4080^10	4258D21	4305D24	4935
40	87.7	4139^22	4293^24	4340^25	4112^11	4293D21	4340D24	4957
38	87.4	4148^22	4300^25	4347^25	4122^11	4300D21	4347D25	4960
36	87.2	4156^22	4308^25	4355^26	4132^11	4308D22	4355D25	4962
34	86.9	4164^22	4316^25	4363^26	4141^12	4316D22	4363D25	4964
32	86.6	4172^22	4324^25	4371^26	4152^12	4324D22	4371D26	4966
30	86.3	4180^22	4332^25	4379^26	4161^12	4332D23	4379D26	4968
20	84.9	4222^23	4372^26	4420^27	4210^14	4372D25	4420D28	4976
10	83.4	4258^24	4406^26	4462^28	4256^16	4406D27	4462D29	4970
0	81.9	4302^25	4454^27	4512^28	4302D18	4454D28	4512D30	4980
-10	80.4	4342^25	4499^28	4558^29	4342D20	4499D30	4558D31	4984
-20	78.9	4380^26	4541^29	4599^30	4380D22	4541D30	4599D31	4980
-30	77.3	4418^27	4582^30	4641^31	4418D24	4582D31	4641D32	4978

High QNH **+30** per .10" Engine A/I ON **-500**
Low QNH **-150** per .10" Wing A/I ON **-500**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	3978^20	4108^22	4158^23	3955^10	4108D21	4158D24	4612
46	91.0	4056^21	4190^23	4238^24	4028^11	4190D21	4238D24	4725
44	91.2	4121^22	4259^24	4306^25	4089^11	4259D22	4306D25	4829
42	91.1	4175^22	4315^25	4361^26	4139^12	4315D22	4361D26	4935
40	91.0	4213^23	4354^26	4400^26	4175^12	4354D23	4400D26	4957
38	90.7	4229^23	4368^26	4416^27	4192^13	4368D23	4416D27	4960
36	90.4	4236^23	4376^26	4425^27	4201^13	4376D24	4425D27	4962
34	90.1	4244^24	4383^26	4435^27	4211^14	4383D24	4435D27	4964
32	89.8	4252^24	4391^26	4444^27	4222^14	4391D24	4444D28	4966
30	89.6	4259^24	4398^26	4453^27	4231^14	4398D25	4453D28	4968
20	88.0	4299^25	4443^27	4499^28	4281^16	4443D27	4499D30	4976
10	86.5	4334^25	4482^28	4539^29	4327^18	4482D29	4539D30	4970
0	85.0	4376^26	4530^29	4586^30	4376D20	4530D30	4586D31	4980
-10	83.4	4414^27	4573^29	4629^30	4414D22	4573D31	4629D32	4984
-20	81.8	4451^27	4612^30	4668^31	4451D24	4612D31	4668D32	4980
-30	80.2	4491^28	4651^31	4709^32	4491D27	4651D32	4709D33	4978

High QNH **+30** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	3978^20-20-31	4108^22-22-33	4158^23-23-33	4212^24-24-34
46	91.0	4056^21-21-32	4190^23-23-34	4238^24-24-35	4293^25-25-35
44	91.2	4121^22-22-33	4259^24-24-35	4306^25-25-36	4361^26-26-36
42	91.1	4175^22-22-34	4315^25-25-36	4361^26-26-36	4418^27-27-37
40	91.0	4213^23-23-34	4354^26-26-36	4400^26-26-37	4456^27-27-38
38	90.7	4229^23-23-34	4368^26-26-37	4416^27-27-37	4473^28-28-38
36	90.4	4236^23-23-35	4376^26-26-37	4425^27-27-37	4483^28-28-38
34	90.1	4244^24-24-35	4383^26-26-37	4435^27-27-38	4492^28-28-38
32	89.8	4252^24-24-35	4391^26-26-37	4444^27-27-38	4501^28-28-39
30	89.6	4259^24-24-35	4398^26-26-37	4453^27-27-38	4511^28-28-39
20	88.0	4299^25-25-36	4443^27-27-38	4499^28-28-39	4557^29-29-39
10	86.5	4334^25-25-36	4482^28-28-38	4539^29-29-39	4596^30-30-40
0	85.0	4376^26-26-37	4530^29-29-39	4586^30-30-40	4644^31-31-41
-10	83.4	4414^27-27-37	4573^29-29-40	4629^30-30-40	4687^31-31-41
-20	81.8	4451^27-27-38	4612^30-30-40	4668^31-31-41	4726^32-32-42
-30	80.2	4491^28-28-38	4651^31-31-41	4709^32-32-42	4767^33-33-42

High QNH **+30** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 627 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.30
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3978^20	4108^22	4158^23	3971^19	4101^22	4151^23			
46	4056^21	4190^23	4238^24	4048^21	4184^23	4231^24			
44	4121^22	4259^24	4306^25	4114^22	4253^24	4298^25			
42	4175^22	4315^25	4361^26	4168^22	4309^25	4354^26			
40	4213^23	4354^26	4400^26	4206^23	4347^25	4393^26			
38	4229^23	4368^26	4416^27	4221^23	4362^26	4410^27			
36	4236^23	4376^26	4425^27	4229^23	4369^26	4419^27			
34	4244^24	4383^26	4435^27	4238^23	4377^26	4428^27			
32	4252^24	4391^26	4444^27	4245^24	4384^26	4437^27			
30	4259^24	4398^26	4453^27	4253^24	4392^26	4447^27			
20	4299^25	4443^27	4499^28	4294^24	4437^27	4492^28			
10	4334^25	4482^28	4539^29	4281^24	4430^27	4485^28			
0	4376^26	4530^29	4586^30	4325^25	4478^28	4532^29			
-10	4414^27	4573^29	4629^30	4360^26	4517^29	4572^30			
	High QNH +30 per .10"			High QNH +30 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -560			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -560			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3955^10	4108D21	4158D24	3949^10	4101D21	4151D24			
46	4028^11	4190D21	4238D24	4021^11	4184D21	4231D24			
44	4089^11	4259D22	4306D25	4083^11	4253D22	4298D25			
42	4139^12	4315D22	4361D26	4133^12	4309D22	4354D25			
40	4175^12	4354D23	4400D26	4169^12	4347D23	4393D26			
38	4192^13	4368D23	4416D27	4186^13	4362D23	4410D27			
36	4201^13	4376D24	4425D27	4196^13	4369D24	4419D27			
34	4211^14	4383D24	4435D27	4206^14	4377D24	4428D27			
32	4222^14	4391D24	4444D28	4216^14	4384D24	4437D28			
30	4231^14	4398D25	4453D28	4225^14	4392D25	4447D28			
20	4281^16	4443D27	4499D30	4275^16	4437D27	4492D30			
10	4327^18	4482D29	4539D30	4281^18	4430D29	4485D30			
0	4376D20	4530D30	4586D31	4325D20	4478D29	4532D30			
-10	4414D22	4573D31	4629D32	4360D22	4517D30	4572D31			
	High QNH +30 per .10"			High QNH +30 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -560			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -560			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3580F93	4111^ 1	4202^ 5	3058F 0	3656^ 7	3854F 9			
26	3649F94	4122^ 2	4214^ 5	3073F 0	3676^ 7	3876F 9			
24	3677F94	4133^ 2	4225^ 5	3088F 0	3693^ 7	3895F 9			
22	3694F94	4144^ 2	4237^ 6	3107F 0	3707^ 7	3918F10			
20	3724F94	4156^ 3	4249^ 6	3122F 1	3730^ 8	3940F10			
18	3755F94	4167^ 3	4260^ 7	3142F 1	3751^ 8	3958F10			
16	3786F95	4178^ 4	4267^ 7	3160F 1	3773^ 8	3983F10			
14	3816F95	4188^ 4	4265^ 7	3178F 1	3794F 8	3864F 9			
12	3847F95	4197^ 4	4264^ 8	3197F 2	3810F 9	4023F11			
10	3878F95	4207^ 5	4264^ 8	3218F 2	3853F 9	4039F11			
0	4011^97	4223^ 7	4276^11	3327F 3	3964F10	4140F13			
-10	4062^98	4228^ 9	4279D13	3470F 4	4068F12	4244F14			
-20	4069^ 1	4229D12	4272D15	3605F 6	4171F13	3975F10			
-30	4063^ 3	4219D14	4263D15	3694F 7	4215^14	4263^14			
	High QNH +0 per .10"			High QNH +10 per .10"			High QNH per .10"		
	Low QNH -50 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -670			Engine A/I ON -550			Engine A/I ON		
	Wing A/I ON -670			Wing A/I ON -550			Wing A/I ON		

Elevation	627	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.30
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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HERMOSILLO -HMO 23 *DT H229*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1627'		**DT H229**	**1627'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.5	4089^22	4241^25	4288^25	4036F 8	4241^18	4288D21	4612
46	87.8	4167^23	4324^26	4374^27	4103F 8	4319^19	4374D22	4725
44	87.9	4230^24	4391^27	4442^28	4158F 9	4382^19	4442D22	4829
42	87.8	4279^24	4444^27	4496^28	4202F 9	4433^20	4496D23	4935
40	87.7	4313^25	4479^28	4530^29	4234F10	4467^20	4530D23	4957
38	87.4	4321^25	4487^28	4539^29	4246F10	4478^20	4539D24	4960
36	87.2	4331^25	4496^28	4548^29	4258F10	4488^21	4548D24	4962
34	86.9	4339^25	4505^28	4557^29	4270F11	4498^21	4557D24	4964
32	86.6	4348^25	4514^28	4565^29	4280F11	4508^21	4565D25	4966
30	86.3	4356^26	4522^29	4574^30	4292F11	4519^22	4574D25	4968
20	84.9	4401^26	4565^29	4621^30	4350^13	4565D24	4621D27	4976
10	83.4	4440^27	4604^30	4667^31	4399^15	4604D26	4667D29	4970
0	81.9	4487^28	4657^31	4722^32	4455^17	4657D27	4722D31	4980
-10	80.4	4530^29	4706^32	4772^33	4508^19	4706D30	4772D33	4984
-20	78.9	4571^29	4753^33	4818^34	4561^21	4753D32	4818D35	4980
-30	77.3	4613^30	4799^33	4864^35	4613^23	4799D34	4864D36	4978

High QNH **+40** per .10" Engine A/I ON **-500**
Low QNH **-150** per .10" Wing A/I ON **-500**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4148^23	4293^26	4350^27	4084^ 9	4292^20	4350D23	4612
46	91.0	4230^24	4379^27	4434^28	4159^10	4370^20	4434D23	4725
44	91.2	4298^25	4451^28	4504^29	4222^10	4438^21	4504D24	4829
42	91.1	4355^26	4510^29	4563^30	4273^11	4494^21	4563D25	4935
40	91.0	4394^26	4549^29	4603^30	4311^11	4533^22	4603D25	4957
38	90.7	4411^27	4565^29	4622^30	4328^12	4551^22	4622D26	4960
36	90.4	4420^27	4574^30	4631^31	4338^12	4561^23	4631D26	4962
34	90.1	4428^27	4582^30	4642^31	4348^12	4571^23	4642D26	4964
32	89.8	4436^27	4590^30	4652^31	4358^13	4582^23	4652D27	4966
30	89.6	4445^27	4600^30	4661^31	4369^13	4594^24	4661D27	4968
20	88.0	4487^28	4649^31	4712^32	4423^15	4649D26	4712D29	4976
10	86.5	4524^29	4693^32	4756^33	4471^17	4693D28	4756D31	4970
0	85.0	4570^29	4746^32	4808^34	4529^19	4746D30	4808D33	4980
-10	83.4	4612^30	4793^33	4856^34	4584^21	4793D32	4856D35	4984
-20	81.8	4654^31	4837^34	4900^35	4639^23	4837D34	4900D36	4980
-30	80.2	4698^32	4881^35	4937^36	4697^25	4881D35	4937D36	4978

High QNH **+40** per .10" Engine A/I ON **-570**
Low QNH **-160** per .10" Wing A/I ON **-570**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	4148^23-23-33	4293^26-26-35	4350^27-27-36	4409^28-28-37
46	91.0	4230^24-24-34	4379^27-27-37	4434^28-28-38	4493^29-29-38
44	91.2	4298^25-25-36	4451^28-28-38	4504^29-29-39	4565^30-30-39
42	91.1	4355^26-26-36	4510^29-29-39	4563^30-30-39	4626^31-31-40
40	91.0	4394^26-26-37	4549^29-29-39	4603^30-30-40	4666^31-31-41
38	90.7	4411^27-27-37	4565^29-29-39	4622^30-30-40	4685^32-32-41
36	90.4	4420^27-27-37	4574^30-30-40	4631^31-31-40	4695^32-32-41
34	90.1	4428^27-27-37	4582^30-30-40	4642^31-31-41	4705^32-32-42
32	89.8	4436^27-27-38	4590^30-30-40	4652^31-31-41	4715^32-32-42
30	89.6	4445^27-27-38	4600^30-30-40	4661^31-31-41	4725^32-32-42
20	88.0	4487^28-28-38	4649^31-31-41	4712^32-32-42	4775^33-33-43
10	86.5	4524^29-29-39	4693^32-32-41	4756^33-33-42	4818^34-34-43
0	85.0	4570^29-29-40	4746^32-32-42	4808^34-34-43	4871^35-35-44
-10	83.4	4612^30-30-40	4793^33-33-43	4856^34-34-44	4920^35-35-45
-20	81.8	4654^31-31-41	4837^34-34-43	4900^35-35-44	4963^36-36-45
-30	80.2	4698^32-32-41	4881^35-35-44	4937^36-36-45	4978C36-36-45

High QNH **+40** per .10" Engine A/I ON **-570**
Low QNH **-160** per .10" Wing A/I ON **-570**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	627	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.30
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4148^23	4293^26	4350^27	4141^23	4285^25	4342^26			
46	4230^24	4379^27	4434^28	4221^24	4370^27	4425^28			
44	4298^25	4451^28	4504^29	4290^25	4442^28	4496^29			
42	4355^26	4510^29	4563^30	4347^26	4502^28	4555^29			
40	4394^26	4549^29	4603^30	4386^26	4542^29	4596^30			
38	4411^27	4565^29	4622^30	4404^27	4558^29	4615^30			
36	4420^27	4574^30	4631^31	4412^27	4567^29	4624^30			
34	4428^27	4582^30	4642^31	4421^27	4575^30	4634^31			
32	4436^27	4590^30	4652^31	4430^27	4583^30	4645^31			
30	4445^27	4600^30	4661^31	4438^27	4593^30	4654^31			
20	4487^28	4649^31	4712^32	4481^28	4642^31	4705^32			
10	4524^29	4693^32	4756^33	4471^28	4640^31	4700^32			
0	4570^29	4746^32	4808^34	4518^29	4692^32	4753^33			
-10	4612^30	4793^33	4856^34	4558^29	4735^33	4797^34			
	High QNH +40 per .10" Low QNH -160 per .10"			High QNH +40 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -570 Wing A/I ON -570			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4084^ 9	4292^20	4350D23	4078^ 9	4284^19	4342D23			
46	4159^10	4370^20	4434D23	4153^10	4363^20	4425D23			
44	4222^10	4438^21	4504D24	4216^10	4431^21	4496D24			
42	4273^11	4494^21	4563D25	4269F11	4487^21	4555D24			
40	4311^11	4533^22	4603D25	4307F11	4527^22	4596D25			
38	4328^12	4551^22	4622D26	4322^12	4544^22	4615D26			
36	4338^12	4561^23	4631D26	4333^12	4554^23	4624D26			
34	4348^12	4571^23	4642D26	4342^12	4565^23	4634D26			
32	4358^13	4582^23	4652D27	4353^13	4575^23	4645D27			
30	4369^13	4594^24	4661D27	4363^13	4587^24	4654D27			
20	4423^15	4649D26	4712D29	4417^15	4642D26	4705D29			
10	4471^17	4693D28	4756D31	4424^17	4640D28	4700D31			
0	4529^19	4746D30	4808D33	4482^19	4692D30	4753D33			
-10	4584^21	4793D32	4856D35	4534^21	4735D32	4797D35			
	High QNH +40 per .10" Low QNH -160 per .10"			High QNH +40 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -570 Wing A/I ON -570			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4074F 0	4169F 4	3116F98	3715F 5	3896F 8			
26		4086F 1	4182F 4	3129F98	3735F 5	3914F 8			
24		4100F 1	4194F 4	3147F98	3754F 6	3930F 8			
22		4113F 1	4206F 5	3163F98	3774F 6	3945F 8			
20		4124F 2	4219F 5	3182F99	3795F 6	3964F 9			
18		4137F 2	4231F 6	3182F99	3817F 6	3978F 9			
16		4148F 3	4243F 6	3223F99	3840F 7	3996F 9			
14		4159F 3	4255F 6	3232F99	3863F 7	4006F10			
12		4170F 3	4265F 7	3264F 0	3878F 7	4023F10			
10		4181F 4	4277F 7	3287F 0	3894F 7	4030^10			
0		4247F 6	4348F 9	3412F 1	3983F 9	4118^12			
-10	2895F 1	4311F 8	4412^11	3582F 2	4061^11	4215F14			
-20	4083F 0	4380F10	4471^14	3663F 4	4143F13	4275^15			
-30	4147F 2	4445^12	4534^16	3764F 6	4217F14	4267^15			
	High QNH +50 per .10" Low QNH -60 per .10"			High QNH +20 per .10" Low QNH -100 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -420 Wing A/I ON -420			Engine A/I ON -540 Wing A/I ON -540			Engine A/I ON Wing A/I ON		

Elevation	627	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.30
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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LA PAZ/MEXICO -LAP 18 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D8.7 LAP	**1069'**	**RT H220**	**1069'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4214^24	4373^27	4429^28	4187^14	4373D24	4429D27	4715
46	87.7	4297^25	4461^28	4519^29	4265^14	4461D24	4519D27	4834
44	87.6	4347^26	4513^29	4571^30	4312^15	4513D25	4571D28	4895
42	87.4	4365^26	4532^29	4590^30	4331^15	4532D25	4590D28	4946
40	87.2	4381^26	4548^29	4607^30	4348^15	4548D25	4607D28	4959
38	86.9	4389^26	4556^29	4615^30	4357^16	4556D26	4615D29	4961
36	86.6	4397^26	4565^29	4624^30	4367^16	4565D26	4624D29	4962
34	86.3	4405^26	4574^30	4633^31	4377^16	4574D26	4633D30	4964
32	86.1	4413^27	4582^30	4641^31	4387^17	4582D27	4641D30	4966
30	85.8	4422^27	4592^30	4651^31	4397^17	4592D27	4651D30	4968
20	84.4	4466^28	4637^31	4695^32	4449^19	4637D29	4695D32	4976
10	82.9	4504^28	4676^31	4734^32	4497^21	4676D31	4734D33	4972
0	81.4	4550^29	4722^32	4780^33	4550D23	4722D33	4780D34	4984
-10	79.9	4590^30	4763^33	4822^34	4590D25	4763D34	4822D35	4987
-20	78.4	4630^30	4800^33	4860^34	4630D27	4800D34	4860D35	4985
-30	76.8	4666^31	4837^34	4896^35	4666D29	4837D35	4896D36	4983

High QNH **+60** per .10" Engine A/I ON **-600**
Low QNH **-160** per .10" Wing A/I ON **-600**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4272^25	4430^28	4483^29	4239^15	4430D25	4483D28	4715
46	90.9	4359^26	4520^29	4576^30	4319^16	4520D26	4576D29	4834
44	90.8	4416^27	4580^30	4636^31	4373^16	4580D26	4636D30	4895
42	90.5	4449^27	4613^30	4669^31	4404^17	4613D27	4669D30	4946
40	90.3	4464^28	4629^31	4685^32	4420^17	4629D27	4685D31	4959
38	90.0	4472^28	4638^31	4694^32	4430^18	4638D28	4694D31	4961
36	89.7	4480^28	4646^31	4702^32	4440^18	4646D28	4702D32	4962
34	89.4	4489^28	4654^31	4710^32	4451^18	4654D29	4710D32	4964
32	89.2	4497^28	4662^31	4719^32	4461^19	4662D29	4719D32	4966
30	88.9	4505^28	4670^31	4727^32	4472^19	4670D29	4727D33	4968
20	87.4	4547^29	4713^32	4770^33	4525^21	4713D31	4770D34	4976
10	85.9	4584^30	4749^33	4806^34	4574^23	4749D33	4806D35	4972
0	84.3	4628^30	4793^33	4850^34	4628D25	4793D34	4850D35	4984
-10	82.8	4667^31	4833^34	4890^35	4667D27	4833D35	4890D36	4987
-20	81.2	4702^32	4868^35	4925^35	4702D29	4868D35	4925D36	4985
-30	79.6	4736^32	4893^35	4936^36	4736D32	4893D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4272^25-25-35	4430^28-28-37	4483^29-29-38	4538^30-30-39
46	90.9	4359^26-26-36	4520^29-29-39	4576^30-30-40	4632^31-31-40
44	90.8	4416^27-27-37	4580^30-30-40	4636^31-31-41	4694^32-32-41
42	90.5	4449^27-27-38	4613^30-30-40	4669^31-31-41	4726^32-32-42
40	90.3	4464^28-28-38	4629^31-31-40	4685^32-32-41	4742^32-32-42
38	90.0	4472^28-28-38	4638^31-31-41	4694^32-32-41	4751^33-33-42
36	89.7	4480^28-28-38	4646^31-31-41	4702^32-32-41	4759^33-33-42
34	89.4	4489^28-28-38	4654^31-31-41	4710^32-32-42	4767^33-33-42
32	89.2	4497^28-28-38	4662^31-31-41	4719^32-32-42	4776^33-33-43
30	88.9	4505^28-28-39	4670^31-31-41	4727^32-32-42	4785^33-33-43
20	87.4	4547^29-29-39	4713^32-32-42	4770^33-33-42	4828^34-34-43
10	85.9	4584^30-30-40	4749^33-33-42	4806^34-34-43	4864^35-35-44
0	84.3	4628^30-30-40	4793^33-33-43	4850^34-34-44	4909^35-35-44
-10	82.8	4667^31-31-41	4833^34-34-43	4890^35-35-44	4949^36-36-45
-20	81.2	4702^32-32-41	4868^35-35-44	4925^35-35-45	4983^36-36-46
-30	79.6	4736^32-32-42	4893^35-35-44	4936^36-36-45	4979^36-36-45

High QNH **+0** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 69 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4272^25	4430^28	4483^29
46	4359^26	4520^29	4576^30
44	4416^27	4580^30	4636^31
42	4449^27	4613^30	4669^31
40	4464^28	4629^31	4685^32
38	4472^28	4638^31	4694^32
36	4480^28	4646^31	4702^32
34	4489^28	4654^31	4710^32
32	4497^28	4662^31	4719^32
30	4505^28	4670^31	4727^32
20	4547^29	4713^32	4770^33
10	4584^30	4749^33	4806^34
0	4628^30	4793^33	4850^34
-10	4667^31	4833^34	4890^35

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-630**
Wing A/I ON **-630**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4265^25	4423^28	4476^29
46	4351^26	4513^29	4568^30
44	4409^27	4572^30	4629^31
42	4440^27	4604^30	4661^31
40	4456^27	4622^30	4678^31
38	4465^28	4630^31	4687^32
36	4474^28	4639^31	4695^32
34	4481^28	4647^31	4703^32
32	4490^28	4655^31	4712^32
30	4498^28	4664^31	4720^32
20	4541^29	4706^32	4763^33
10	4529^29	4690^32	4745^33
0	4574^30	4734^33	4790^33
-10	4607^30	4767^33	4823^34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4239^15	4430D25	4483D28
46	4319^16	4520D26	4576D29
44	4373^16	4580D26	4636D30
42	4404^17	4613D27	4669D30
40	4420^17	4629D27	4685D31
38	4430^18	4638D28	4694D31
36	4440^18	4646D28	4702D32
34	4451^18	4654D29	4710D32
32	4461^19	4662D29	4719D32
30	4472^19	4670D29	4727D33
20	4525^21	4713D31	4770D34
10	4574^23	4749D33	4806D35
0	4628D25	4793D34	4850D35
-10	4667D27	4833D35	4890D36

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-630**
Wing A/I ON **-630**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4232^15	4423D25	4476D28
46	4312^16	4513D26	4568D29
44	4366^16	4572D26	4629D29
42	4397^17	4604D27	4661D30
40	4413^17	4622D27	4678D31
38	4425^18	4630D28	4687D31
36	4434^18	4639D28	4695D31
34	4445^18	4647D28	4703D32
32	4455^19	4655D29	4712D32
30	4466^19	4664D29	4720D33
20	4519^21	4706D31	4763D34
10	4526^23	4690D33	4745D34
0	4574D25	4734D34	4790D35
-10	4607D27	4767D34	4823D35

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3499F98	4240^ 6	4311^10
26	3668F98	4250^ 7	4321^10
24	3806F98	4260^ 7	4332^11
22	3911F98	4271^ 8	4343^11
20	4024F98	4281^ 8	4353^11
18	4034F98	4290^ 8	4364^12
16	4045F98	4300^ 9	4375^12
14	4056F99	4310^ 9	4386^13
12	4067F99	4319^10	4398^13
10	4075F99	4329^10	4408^14
0	4137F 1	4388^12	4472^16
-10	4193F 3	4448^14	4535^18
-20	4254F 5	4508^17	4598^20
-30	4316F 8	4569^19	4662^23

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-500**
Wing A/I ON **-500**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3503F 2	3951F10	4118F12
26	3524F 2	3971F10	4138F13
24	3542F 2	3989F10	4156F13
22	3562F 3	4010F11	4177F13
20	3578F 3	4025F11	4194F13
18	3586F 3	4045F11	4213F14
16	3595F 3	4066F12	4233F14
14	3606F 4	4081F12	4254F14
12	3620F 4	4103F12	4275F15
10	3635F 4	4125F12	4275F15
0	3711F 6	4224F14	4285^15
-10	3802F 7	4237^14	4282^15
-20	3902F 9	4231^14	4277^15
-30	4004F11	4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	69	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.1 LAP	**1069'**	**LT H170**	**1069'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4328F26	4578F30	4661^32	4254F13	4548F23	4651F26	4715
46	87.7	4405F27	4660F31	4748F33	4327F14	4625F23	4728F26	4834
44	87.6	4452F27	4710F32	4799F34	4372F14	4674F24	4778F27	4895
42	87.4	4471F28	4730F32	4819F34	4391F15	4694F24	4799F27	4946
40	87.2	4488F28	4748F33	4838F34	4409F15	4714F24	4819F27	4959
38	86.9	4498F28	4760F33	4850F34	4421F15	4727F25	4832F28	4961
36	86.6	4509F28	4771F33	4862F35	4433F16	4740F25	4846F28	4962
34	86.3	4519F29	4783F33	4874F35	4445F16	4753F25	4860F28	4964
32	86.1	4530F29	4796F33	4885F35	4458F16	4767F26	4875F29	4966
30	85.8	4542F29	4808F34	4898F35	4471F17	4781F26	4889F29	4968
20	84.4	4601F30	4871F35	4938^36	4536F18	4853F28	4938^31	4976
10	82.9	4661F31	4894^35	4932^36	4602F20	4893^30	4932D33	4972
0	81.4	4724F32	4899^35	4938^36	4673F22	4899D32	4938D36	4984
-10	79.9	4774^33	4896^35	4937^36	4743F24	4896D35	4937D36	4987
-20	78.4	4763^33	4888^35	4930^36	4761^26	4888D35	4930D36	4985
-30	76.8	4748^33	4878^35	4922^35	4748D29	4878D35	4922D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-160** per .10" — Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4431F28	4639^31	4671^32	4327F15	4632F24	4671^28	4715
46	90.9	4512F29	4753^33	4786^34	4401F15	4711F25	4784^28	4834
44	90.8	4572F30	4832F34	4874^35	4456F16	4770F25	4870^28	4895
42	90.5	4615F30	4875F35	4932^36	4492F16	4811F26	4920F29	4946
40	90.3	4632F31	4893F35	4941^36	4510F17	4830F26	4937^30	4959
38	90.0	4645F31	4907F35	4944^36	4524F17	4845F27	4941^30	4961
36	89.7	4656F31	4911^35	4945^36	4537F18	4859F27	4943^30	4962
34	89.4	4667F31	4912^35	4947^36	4550F18	4874F28	4945^31	4964
32	89.2	4679F31	4913^35	4948^36	4563F18	4888F28	4947^31	4966
30	88.9	4690F32	4914^35	4949^36	4577F19	4903F28	4949^32	4968
20	87.4	4749F33	4918^35	4955^36	4644F20	4916^30	4955D34	4976
10	85.9	4797^33	4910^35	4948^36	4713F22	4910D33	4948D36	4972
0	84.3	4798^33	4914^35	4953^36	4788F24	4914D35	4953D36	4984
-10	82.8	4791^33	4911^35	4952^36	4789^27	4911D35	4952D36	4987
-20	81.2	4780^33	4903^35	4945^36	4780D29	4903D35	4945D36	4985
-30	79.6	4765^33	4893^35	4936^36	4765D32	4893D35	4936D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4431F28-28-38	4639^31-31-41	4671^32-32-41	4704^33-33-42
46	90.9	4512F29-29-39	4753^33-33-42	4786^34-34-43	4819^34-34-43
44	90.8	4572F30-30-40	4832F34-34-43	4874^35-35-44	4895C35-35-44
42	90.5	4615F30-30-40	4875F35-35-44	4932^36-36-45	4946C36-36-45
40	90.3	4632F31-31-40	4893F35-35-44	4941^36-36-45	4959C36-36-45
38	90.0	4645F31-31-41	4907F35-35-44	4944^36-36-45	4961C36-36-45
36	89.7	4656F31-31-41	4911^35-35-44	4945^36-36-45	4962C36-36-45
34	89.4	4667F31-31-41	4912^35-35-45	4947^36-36-45	4964C36-36-45
32	89.2	4679F31-31-41	4913^35-35-45	4948^36-36-45	4966C36-36-45
30	88.9	4690F32-32-41	4914^35-35-45	4949^36-36-45	4968C36-36-45
20	87.4	4749F33-33-42	4918^35-35-45	4955^36-36-45	4990C43-43-51
10	85.9	4797^33-33-43	4910^35-35-44	4986C42-42-51	4986C42-42-51
0	84.3	4798^33-33-43	4978F42-42-51	4998C43-43-52	4998C43-43-52
-10	82.8	4791^33-33-43	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.2	4828F40-40-49	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4891F41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 69 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4431F28	4639^31	4671^32
46	4512F29	4753^33	4786^34
44	4572F30	4832F34	4874^35
42	4615F30	4875F35	4932^36
40	4632F31	4893F35	4941^36
38	4645F31	4907F35	4944^36
36	4656F31	4911^35	4945^36
34	4667F31	4912^35	4947^36
32	4679F31	4913^35	4948^36
30	4690F32	4914^35	4949^36
20	4749F33	4918^35	4955^36
10	4797^33	4910^35	4948^36
0	4798^33	4914^35	4953^36
-10	4791^33	4911^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4421F28	4633^31	4666^32
4501F29	4747^33	4780^33
4560F29	4820F34	4869^35
4604F30	4863F35	4927^36
4621F30	4882F35	4936^36
4634F31	4896F35	4940^36
4646F31	4907^35	4942^36
4657F31	4908^35	4942^36
4668F31	4908^35	4944^36
4680F31	4909^35	4945^36
4739F32	4913^35	4950^36
4714^32	4825^34	4862^35
4713^32	4828^34	4866^35
4705^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4327F15	4632F24	4671^28
46	4401F15	4711F25	4784^28
44	4456F16	4770F25	4870^28
42	4492F16	4811F26	4920F29
40	4510F17	4830F26	4937^30
38	4524F17	4845F27	4941^30
36	4537F18	4859F27	4943^30
34	4550F18	4874F28	4945^31
32	4563F18	4888F28	4947^31
30	4577F19	4903F28	4949^32
20	4644F20	4916^30	4955D34
10	4713F22	4910D33	4948D36
0	4788F24	4914D35	4953D36
-10	4789^27	4911D35	4952D36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4320F15	4623F24	4666^27
4393F15	4701F25	4778^28
4448F16	4761F25	4865^28
4484F16	4801F26	4912F29
4502F17	4821F26	4930F29
4516F17	4836F27	4937^30
4529F17	4850F27	4939^30
4542F18	4865F27	4941^31
4555F18	4879F28	4943^31
4569F18	4894F28	4944^32
4636F20	4912^30	4950D34
4672F22	4825D33	4862D35
4708^24	4828D34	4866D35
4705^27	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3499F98	4243F 6	4337F10
26	3668F98	4254F 7	4350F10
24	3806F98	4267F 7	4362F10
22	3911F98	4279F 8	4375F11
20	4024F98	4291F 8	4388F11
18	4034F98	4303F 8	4401F12
16	4045F98	4315F 9	4413F12
14	4056F99	4327F 9	4426F12
12	4067F99	4339F 9	4439F13
10	4075F99	4352F10	4452F13
0	4137F 1	4421F12	4524F15
-10	4193F 3	4490F14	4598F17
-20	4254F 5	4561F16	4673F20
-30	4316F 8	4636F19	4752F22

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
3503F 2	3951F10	4118F12
3524F 2	3971F10	4138F13
3542F 2	3989F10	4156F13
3562F 3	4010F11	4177F13
3578F 3	4025F11	4194F13
3586F 3	4045F11	4213F14
3595F 3	4066F12	4233F14
3606F 4	4081F12	4254F14
3620F 4	4103F12	4275F15
3635F 4	4125F12	4275F15
3711F 6	4224F14	4285^15
3802F 7	4237^14	4282^15
3902F 9	4231^14	4277^15
4004F11	4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	69	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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LEON **-BJX** **13** ***RT H160***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		6956'		**RT H160**	**6956'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.7	4006^22	4088^23	4116^24	4006D21	4088D24	4116D24	4165
36	89.0	4087^23	4170^25	4197^25	4087D21	4170D25	4197D25	4248
34	89.2	4165^24	4249^26	4276^26	4165D21	4249D26	4276D26	4326
32	89.5	4242^25	4327^27	4355^27	4242D22	4327D27	4355D28	4404
30	89.7	4323^27	4408^28	4436^29	4323D22	4408D28	4436D29	4485
28	89.8	4404^28	4490^29	4519^30	4404^22	4490D29	4519D30	4570
26	89.9	4486^29	4573^31	4602^31	4485^23	4573D31	4602D31	4655
24	90.0	4566^30	4654^32	4683^32	4564^23	4654D32	4683D32	4739
22	90.1	4606^31	4694^32	4724^33	4603^24	4694D32	4724D33	4774
20	90.2	4607^31	4696^32	4725^33	4604^24	4696D32	4725D33	4779
18	89.9	4607^31	4697^32	4726^33	4605^25	4697D32	4726D33	4781
16	89.6	4607^31	4698^32	4727^33	4606^25	4698D32	4727D33	4782
10	88.7	4608^31	4699^32	4730^33	4608D26	4699D32	4730D33	4786
0	87.1	4601^31	4696^32	4727^33	4601D29	4696D32	4727D33	4788
-10	85.5	4588^30	4685^32	4718^33	4588D30	4685D32	4718D33	4781
-20	83.9	4580^30	4681^32	4714^33	4580D30	4681D32	4714D33	4782

High QNH **+100** per .10" Engine A/I ON **-3960**
Low QNH **-170** per .10" Wing A/I ON **-3960**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.1	4016^22	4097^24	4124^24	4016D22	4097D24	4124D24	4165
36	92.4	4097^23	4179^25	4206^25	4097D23	4179D25	4206D25	4248
34	92.7	4175^24	4258^26	4286^26	4175D23	4258D26	4286D27	4326
32	93.0	4252^26	4336^27	4364^28	4252D23	4336D27	4364D28	4404
30	93.2	4333^27	4417^28	4446^29	4333D24	4417D28	4446D29	4485
28	93.5	4415^28	4500^30	4529^30	4415D24	4500D30	4529D30	4570
26	93.8	4498^29	4584^31	4612^31	4498^25	4584D31	4612D31	4655
24	93.9	4579^30	4666^32	4694^32	4578^25	4666D32	4694D32	4739
22	93.7	4620^31	4707^32	4736^33	4619^26	4707D33	4736D33	4774
20	93.6	4624^31	4711^33	4740^33	4624^27	4711D33	4740D33	4779
18	93.3	4624^31	4712^33	4741^33	4624D27	4712D33	4741D33	4781
16	92.9	4624^31	4713^33	4742^33	4624D28	4713D33	4742D33	4782
10	92.0	4624^31	4715^33	4744^33	4624D29	4715D33	4744D33	4786
0	90.3	4618^31	4711^32	4742^33	4618D31	4711D33	4742D33	4788
-10	88.7	4604^31	4700^32	4732^33	4604D31	4700D32	4732D33	4781
-20	87.0	4596^30	4695^32	4728^33	4596D31	4695D32	4728D33	4782

High QNH **+100** per .10" Engine A/I ON **-4000**
Low QNH **-170** per .10" Wing A/I ON **-4000**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
38	92.1	4139^30-30-38	4216^31-31-40	4220C31-31-40	4220C31-31-40
36	92.4	4222^31-31-40	4301^33-33-41	4304C33-33-41	4304C33-33-41
34	92.7	4303^32-32-41	4382^34-34-42	4384C34-34-42	4384C34-34-42
32	93.0	4383^34-34-42	4462^35-35-44	4462C35-35-44	4462C35-35-44
30	93.2	4465^35-35-44	4540C36-36-45	4540C36-36-45	4540C36-36-45
28	93.5	4550^36-36-45	4627C37-37-46	4627C37-37-46	4627C37-37-46
26	93.8	4635^37-37-46	4713C39-39-47	4713C39-39-47	4713C39-39-47
24	93.9	4700T38-38-47	4799C40-40-49	4799C40-40-49	4799C40-40-49
22	93.7	4734T39-39-48	4840C40-40-49	4840C40-40-49	4840C40-40-49
20	93.6	4766^39-39-48	4842C41-41-49	4842C41-41-49	4842C41-41-49
18	93.3	4767^39-39-48	4843C41-41-49	4843C41-41-49	4843C41-41-49
16	92.9	4767^39-39-48	4845C41-41-49	4845C41-41-49	4845C41-41-49
10	92.0	4767^39-39-48	4850C41-41-50	4850C41-41-50	4850C41-41-50
0	90.3	4762^39-39-48	4851^41-41-50	4857C41-41-50	4857C41-41-50
-10	88.7	4747^39-39-48	4839^40-40-49	4848C41-41-50	4848C41-41-50
-20	87.0	4739^39-39-48	4834^40-40-49	4849C41-41-50	4849C41-41-50

High QNH **+100** per .10" Engine A/I ON **-4070**
Low QNH **-180** per .10" Wing A/I ON **-4070**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5956 Length 11486 Shift **0** Clearway 0 Stopway 0 Slope -0.49
Rwy Rev. Program Rules FAA **21 Mar 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4016^22	4097^24	4124^24
36	4097^23	4179^25	4206^25
34	4175^24	4258^26	4286^26
32	4252^26	4336^27	4364^28
30	4333^27	4417^28	4446^29
28	4415^28	4500^30	4529^30
26	4498^29	4584^31	4612^31
24	4579^30	4666^32	4694^32
22	4620^31	4707^32	4736^33
20	4624^31	4711^33	4740^33
18	4624^31	4712^33	4741^33
16	4624^31	4713^33	4742^33
10	4624^31	4715^33	4744^33
0	4618^31	4711^32	4742^33

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-4000**
Wing A/I ON **-4000**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4011^22	4092^24	4119^24
36	4092^23	4174^25	4201^25
34	4171^24	4253^26	4280^26
32	4248^26	4332^27	4360^28
30	4329^27	4413^28	4442^29
28	4411^28	4496^29	4524^30
26	4494^29	4579^31	4608^31
24	4576^30	4663^32	4692^32
22	4618^31	4705^32	4734^33
20	4622^31	4710^32	4739^33
18	4622^31	4710^33	4740^33
16	4622^31	4711^33	4740^33
10	4225^25	4314^27	4343^27
0	4548^30	4641^32	4672^32

High QNH **+100** per .10"
Low QNH **-210** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4016D22	4097D24	4124D24
36	4097D23	4179D25	4206D25
34	4175D23	4258D26	4286D27
32	4252D23	4336D27	4364D28
30	4333D24	4417D28	4446D29
28	4415D24	4500D30	4529D30
26	4498^25	4584D31	4612D31
24	4578^25	4666D32	4694D32
22	4619^26	4707D33	4736D33
20	4624^27	4711D33	4740D33
18	4624D27	4712D33	4741D33
16	4624D28	4713D33	4742D33
10	4624D29	4715D33	4744D33
0	4618D31	4711D33	4742D33

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-4000**
Wing A/I ON **-4000**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4011D22	4092D24	4119D24
36	4092D23	4174D25	4201D25
34	4171D23	4253D26	4280D27
32	4248D23	4332D27	4360D28
30	4329D24	4413D28	4442D29
28	4411D24	4496D30	4524D30
26	4493^24	4579D31	4608D31
24	4575^25	4663D32	4692D32
22	4617^26	4705D33	4734D33
20	4622^27	4710D33	4739D33
18	4622D27	4710D33	4740D33
16	4622D27	4711D33	4740D33
10	4225D25	4314D27	4343D27
0	4548D30	4641D32	4672D32

High QNH **+100** per .10"
Low QNH **-210** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4174F 1	4408F10	4479^13
26	4236F 1	4473F10	4554F13
24	4299F 2	4539F10	4621F13
22	4344F 2	4587F11	4671F14
20	4370F 3	4615F12	4689^15
18	4380F 3	4628F12	4691^15
16	4393F 3	4642F12	4694^16
14	4405F 4	4657F13	4696^16
12	4418F 4	4661^13	4698^17
10	4430F 4	4663^14	4699^17
0	4492F 6	4665^16	4703^20
-10	4548^ 8	4662^19	4700^22
-20	4546^11	4664^22	4703^25
-30	4536^14	4658^24	4699^28

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3790**
Wing A/I ON **-3790**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3894F 5	4102F14	4170F16
26	3958F 6	4169F14	4239F17
24	4023F 6	4236F15	4308F17
22	4072F 7	4293F15	4365F18
20	4103F 8	4329F16	4405F19
18	4114F 8	4340F16	4417F19
16	4125F 8	4353F17	4430F19
14	4136F 9	4365F17	4442F20
12	4147F 9	4377F17	4455F20
10	4159F 9	4389F18	4467F21
0	4212F11	4450F20	4529F22
-10	4270F13	4512F22	4591F24
-20	4329F15	4575F24	4654F26
-30	4389F17	4618^26	4664^29

High QNH **+110** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-1830**
Wing A/I ON **-1830**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 5956 Length 11486 Shift **0** Clearway 0 Stopway 0 Slope -0.49
Rwy Rev. Program Rules FAA **21 Mar 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		6956'		**LT H230**	**6956'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	88.7	3995^22	4078^23	4106^24	3995D21	4078D23	4106D24	4165
36	89.0	4076^23	4159^24	4187^25	4076D21	4159D25	4187D25	4248
34	89.2	4154^24	4238^26	4266^26	4154D22	4238D26	4266D26	4326
32	89.5	4231^25	4316^27	4344^27	4231D22	4316D27	4344D27	4404
30	89.7	4310^26	4397^28	4425^28	4310^23	4397D28	4425D29	4485
28	89.8	4392^28	4479^29	4508^30	4391^23	4479D29	4508D30	4570
26	89.9	4474^29	4561^30	4590^31	4471^23	4561D30	4590D31	4655
24	90.0	4554^30	4642^31	4671^32	4550^24	4642D32	4671D32	4739
22	90.1	4593^30	4682^32	4712^33	4589^24	4682D32	4712D33	4774
20	90.2	4594^30	4684^32	4713^33	4591^25	4684D32	4713D33	4779
18	89.9	4594^30	4685^32	4714^33	4592^25	4685D32	4714D33	4781
16	89.6	4594^30	4685^32	4716^33	4593^25	4685D32	4716D33	4782
10	88.7	4595^30	4687^32	4718^33	4595D27	4687D32	4718D33	4786
0	87.1	4589^30	4684^32	4716^33	4589D29	4684D32	4716D33	4788
-10	85.5	4576^30	4674^32	4706^32	4576D30	4674D32	4706D33	4781
-20	83.9	4568^30	4669^32	4703^32	4568D30	4669D32	4703D32	4782

High QNH **+100** per .10" Engine A/I ON **-3930**
Low QNH **-170** per .10" Wing A/I ON **-3930**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
38	92.1	4006^22	4088^23	4115^24	4006D22	4088D24	4115D24	4165
36	92.4	4087^23	4169^25	4197^25	4087D23	4169D25	4197D25	4248
34	92.7	4165^24	4248^26	4276^26	4165D24	4248D26	4276D26	4326
32	93.0	4242^25	4327^27	4354^27	4242D24	4327D27	4354D28	4404
30	93.2	4323^27	4407^28	4435^29	4323D24	4407D28	4435D29	4485
28	93.5	4404^28	4490^29	4518^30	4404D25	4490D29	4518D30	4570
26	93.8	4487^29	4573^31	4602^31	4487D25	4573D31	4602D31	4655
24	93.9	4567^30	4655^32	4684^32	4566^26	4655D32	4684D32	4739
22	93.7	4608^31	4696^32	4725^33	4607^26	4696D32	4725D33	4774
20	93.6	4613^31	4701^32	4730^33	4613D27	4701D32	4730D33	4779
18	93.3	4613^31	4702^32	4731^33	4613D28	4702D32	4731D33	4781
16	92.9	4613^31	4702^32	4732^33	4613D28	4702D32	4732D33	4782
10	92.0	4608^31	4704^32	4734^33	4608D30	4704D32	4734D33	4786
0	90.3	4607^31	4700^32	4732^33	4607D31	4700D32	4732D33	4788
-10	88.7	4593^30	4690^32	4722^33	4593D31	4690D32	4722D33	4781
-20	87.0	4585^30	4685^32	4718^33	4585D30	4685D32	4718D33	4782

High QNH **+100** per .10" Engine A/I ON **-3980**
Low QNH **-170** per .10" Wing A/I ON **-3980**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
38	92.1	4128^30-30-38	4206^31-31-40	4220C31-31-40	4220C31-31-40
36	92.4	4211^31-31-40	4290^32-32-41	4304C33-33-41	4304C33-33-41
34	92.7	4291^32-32-41	4371^34-34-42	4384C34-34-42	4384C34-34-42
32	93.0	4371^33-33-42	4451^35-35-43	4462C35-35-44	4462C35-35-44
30	93.2	4453^35-35-43	4534^36-36-45	4540C36-36-45	4540C36-36-45
28	93.5	4537^36-36-45	4619^37-37-46	4627C37-37-46	4627C37-37-46
26	93.8	4622^37-37-46	4704^39-39-47	4713C39-39-47	4713C39-39-47
24	93.9	4700T38-38-47	4789^40-40-49	4799C40-40-49	4799C40-40-49
22	93.7	4734T39-39-48	4833^40-40-49	4840C40-40-49	4840C40-40-49
20	93.6	4754^39-39-48	4838^40-40-49	4842C41-41-49	4842C41-41-49
18	93.3	4754^39-39-48	4839^40-40-49	4843C41-41-49	4843C41-41-49
16	92.9	4755^39-39-48	4840^40-40-49	4845C41-41-49	4845C41-41-49
10	92.0	4755^39-39-48	4842^41-41-49	4850C41-41-50	4850C41-41-50
0	90.3	4749^39-39-48	4839^40-40-49	4857C41-41-50	4857C41-41-50
-10	88.7	4735^39-39-48	4827^40-40-49	4848C41-41-50	4848C41-41-50
-20	87.0	4727^39-39-48	4823^40-40-49	4849C41-41-50	4849C41-41-50

High QNH **+100** per .10" Engine A/I ON **-4060**
Low QNH **-180** per .10" Wing A/I ON **-4060**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 5956 Length 11486 Shift **0** Clearway 0 Stopway 0 Slope +0.49
Rwy Rev. Program Rules FAA **21 Mar 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4006^22	4088^23	4115^24
36	4087^23	4169^25	4197^25
34	4165^24	4248^26	4276^26
32	4242^25	4327^27	4354^27
30	4323^27	4407^28	4435^29
28	4404^28	4490^29	4518^30
26	4487^29	4573^31	4602^31
24	4567^30	4655^32	4684^32
22	4608^31	4696^32	4725^33
20	4613^31	4701^32	4730^33
18	4613^31	4702^32	4731^33
16	4613^31	4702^32	4732^33
10	4608^31	4704^32	4734^33
0	4607^31	4700^32	4732^33

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3980**
Wing A/I ON **-3980**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4001^22	4083^23	4110^24
36	4082^23	4164^25	4192^25
34	4160^24	4244^26	4271^26
32	4238^25	4323^27	4351^27
30	4318^27	4403^28	4431^29
28	4400^28	4485^29	4514^30
26	4482^29	4569^30	4597^31
24	4564^30	4652^32	4681^32
22	4606^31	4694^32	4724^33
20	4611^31	4699^32	4728^33
18	4611^31	4700^32	4729^33
16	4611^31	4700^32	4730^33
10	4216^25	4305^27	4335^27
0	4538^30	4631^31	4662^32

High QNH **+100** per .10"
Low QNH **-210** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
38	4006D22	4088D24	4115D24
36	4087D23	4169D25	4197D25
34	4165D24	4248D26	4276D26
32	4242D24	4327D27	4354D28
30	4323D24	4407D28	4435D29
28	4404D25	4490D29	4518D30
26	4487D25	4573D31	4602D31
24	4566^26	4655D32	4684D32
22	4607^26	4696D32	4725D33
20	4613D27	4701D32	4730D33
18	4613D28	4702D32	4731D33
16	4613D28	4702D32	4732D33
10	4608D30	4704D32	4734D33
0	4607D31	4700D32	4732D33

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3980**
Wing A/I ON **-3980**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
38	4001D22	4083D23	4110D24
36	4082D23	4164D25	4192D25
34	4160D23	4244D26	4271D26
32	4238D24	4323D27	4351D28
30	4318D24	4403D28	4431D29
28	4400D25	4485D29	4514D30
26	4482D25	4569D31	4597D31
24	4563^25	4652D32	4681D32
22	4605^26	4694D32	4724D33
20	4611^27	4699D32	4728D33
18	4611D28	4700D32	4729D33
16	4611D28	4700D32	4730D33
10	4216D25	4305D27	4335D27
0	4538D30	4631D31	4662D32

High QNH **+100** per .10"
Low QNH **-210** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4083F 4	4312F12	4392F15
26	4144F 4	4376F13	4456F16
24	4205F 5	4440F13	4522F16
22	4250F 5	4489F14	4572F17
20	4276F 6	4520F15	4603F18
18	4288F 6	4533F15	4617F18
16	4300F 7	4546F15	4630F18
14	4312F 7	4557F16	4645F19
12	4325F 7	4573F16	4659F19
10	4337F 8	4585F17	4673F19
0	4397F10	4651^19	4690^22
-10	4458F12	4649^21	4689^24
-20	4521F14	4653^24	4694^27
-30	4524^16	4650^27	4692^30

High QNH **+100** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-3080**
Wing A/I ON **-3080**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3814F 8	4025F15	4092F18
26	3876F 8	4090F16	4159F18
24	3939F 9	4157F16	4229F19
22	3989F 9	4213F17	4287F20
20	4021F10	4250F18	4329F21
18	4032F10	4262F18	4341F21
16	4043F11	4275F19	4354F21
14	4054F11	4286F19	4364F22
12	4065F11	4299F19	4378F22
10	4077F12	4311F20	4389F22
0	4130F14	4371F21	4448F24
-10	4188F15	4432F23	4509F26
-20	4247F17	4494F25	4572F28
-30	4306F19	4554F27	4637F30

High QNH **+120** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-1620**
Wing A/I ON **-1620**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 5956 Length 11486 Shift **0** Clearway 0 Stopway 0 Slope +0.49
Rwy Rev. Program Rules FAA **21 Mar 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1016'		**DT H091**	**1016'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	3910F18	4148F22	4234F24	3847F 3	4126F13	4225F16	4725
46	87.7	3980F19	4222F23	4308F25	3910F 4	4196F14	4296F17	4844
44	87.6	4021F19	4266F24	4353F26	3950F 4	4239F14	4339F17	4901
42	87.4	4036F20	4281F24	4369F26	3965F 4	4255F14	4356F18	4947
40	87.1	4050F20	4296F24	4384F26	3980F 5	4271F15	4373F18	4959
38	86.8	4060F20	4307F25	4395F26	3991F 5	4283F15	4385F18	4961
36	86.6	4067F20	4317F25	4406F27	4001F 5	4294F15	4397F19	4962
34	86.3	4077F20	4328F25	4417F27	4013F 6	4307F16	4410F19	4964
32	86.0	4087F21	4339F25	4429F27	4025F 6	4319F16	4423F19	4966
30	85.7	4097F21	4350F25	4440F27	4037F 6	4332F16	4436F20	4968
20	84.3	4148F22	4408F26	4501F28	4095F 8	4396F18	4501D21	4976
10	82.8	4199F23	4466F28	4560F29	4152F10	4462F20	4560D23	4973
0	81.3	4255F24	4528F29	4626F30	4215F11	4528D22	4626D25	4984
-10	79.8	4308F25	4590F30	4691F32	4275F13	4590D24	4691D27	4988
-20	78.3	4365F26	4654F31	4754F33	4340F15	4654D26	4754D29	4985
-30	76.7	4421F27	4718F32	4819F34	4406F17	4718D28	4819D31	4983

High QNH **+80** per .10" — Engine A/I ON **-380**
Low QNH **-150** per .10" — Wing A/I ON **-380**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	3993F19	4238F24	4325F26	3907F 4	4195F14	4298F18	4725
46	90.9	4067F20	4314F25	4402F27	3974F 5	4266F15	4370F18	4844
44	90.8	4121F21	4371F26	4460F28	4021F 5	4318F16	4423F19	4901
42	90.5	4155F22	4408F27	4498F28	4049F 6	4350F16	4457F20	4947
40	90.2	4168F22	4422F27	4513F28	4064F 6	4366F17	4474F20	4959
38	89.9	4178F22	4433F27	4523F29	4075F 6	4379F17	4487F20	4961
36	89.7	4187F22	4444F27	4534F29	4086F 7	4391F17	4500F21	4962
34	89.4	4197F23	4456F27	4546F29	4098F 7	4404F18	4513F21	4964
32	89.1	4207F23	4467F28	4558F29	4109F 7	4417F18	4527F21	4966
30	88.8	4218F23	4479F28	4570F29	4121F 8	4431F18	4541F22	4968
20	87.3	4271F24	4537F29	4633F31	4180F10	4499F20	4611F23	4976
10	85.8	4323F25	4598F30	4695F32	4239F11	4568F22	4684F25	4973
0	84.2	4381F26	4664F31	4761F33	4305F13	4643F24	4761D27	4984
-10	82.7	4436F27	4727F32	4825F34	4371F15	4719F26	4825D29	4988
-20	81.1	4495F28	4790F33	4890F35	4441F17	4790D28	4890D31	4985
-30	79.5	4555F29	4852F34	4936^36	4512F19	4852D30	4936D34	4983

High QNH **+80** per .10" — Engine A/I ON **-450**
Low QNH **-150** per .10" — Wing A/I ON **-450**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	3993F19-19-31	4238F24-24-35	4325F26-26-36	4415F27-27-37
46	90.9	4067F20-20-32	4314F25-25-36	4402F27-27-37	4493F28-28-38
44	90.8	4121F21-21-33	4371F26-26-37	4460F28-28-38	4552F29-29-39
42	90.5	4155F22-22-33	4408F27-27-37	4498F28-28-38	4590F30-30-40
40	90.2	4168F22-22-34	4422F27-27-37	4513F28-28-39	4605F30-30-40
38	89.9	4178F22-22-34	4433F27-27-38	4523F29-29-39	4617F30-30-40
36	89.7	4187F22-22-34	4444F27-27-38	4534F29-29-39	4629F31-31-40
34	89.4	4197F23-23-34	4456F27-27-38	4546F29-29-39	4642F31-31-41
32	89.1	4207F23-23-34	4467F28-28-38	4558F29-29-39	4654F31-31-41
30	88.8	4218F23-23-34	4479F28-28-38	4570F29-29-40	4667F31-31-41
20	87.3	4271F24-24-35	4537F29-29-39	4633F31-31-40	4729F32-32-42
10	85.8	4323F25-25-36	4598F30-30-40	4695F32-32-41	4791F33-33-43
0	84.2	4381F26-26-37	4664F31-31-41	4761F33-33-42	4860F34-34-44
-10	82.7	4436F27-27-38	4727F32-32-42	4825F34-34-43	4926F35-35-45
-20	81.1	4495F28-28-38	4790F33-33-43	4890F35-35-44	4985C36-36-46
-30	79.5	4555F29-29-39	4852F34-34-44	4936D36-36-45	4980^36-36-45

High QNH **+80** per .10" — Engine A/I ON **-450**
Low QNH **-150** per .10" — Wing A/I ON **-450**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	16	Length	6585	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.05
Rwy Rev.		Program						Rules	FAA		**27 Sep 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	3993F19	4238F24	4325F26
46	4067F20	4314F25	4402F27
44	4121F21	4371F26	4460F28
42	4155F22	4408F27	4498F28
40	4168F22	4422F27	4513F28
38	4178F22	4433F27	4523F29
36	4187F22	4444F27	4534F29
34	4197F23	4456F27	4546F29
32	4207F23	4467F28	4558F29
30	4218F23	4479F28	4570F29
20	4271F24	4537F29	4633F31
10	4323F25	4598F30	4695F32
0	4381F26	4664F31	4761F33
-10	4436F27	4727F32	4825F34

High QNH **+80** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	3985F19	4229F24	4316F26
46	4058F20	4304F25	4392F27
44	4111F21	4361F26	4450F27
42	4146F22	4398F26	4488F28
40	4159F22	4413F27	4503F28
38	4169F22	4424F27	4515F29
36	4178F22	4435F27	4525F29
34	4188F22	4446F27	4537F29
32	4199F23	4458F27	4549F29
30	4209F23	4470F28	4561F29
20	4262F24	4528F29	4624F30
10	4283F24	4556F29	4652F31
0	4342F26	4623F31	4718F32
-10	4396F27	4681F32	4779F33

High QNH **+80** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	3907F 4	4195F14	4298F18
46	3974F 5	4266F15	4370F18
44	4021F 5	4318F16	4423F19
42	4049F 6	4350F16	4457F20
40	4064F 6	4366F17	4474F20
38	4075F 6	4379F17	4487F20
36	4086F 7	4391F17	4500F21
34	4098F 7	4404F18	4513F21
32	4109F 7	4417F18	4527F21
30	4121F 8	4431F18	4541F22
20	4180F10	4499F20	4611F23
10	4239F11	4568F22	4684F25
0	4305F13	4643F24	4761D27
-10	4371F15	4719F26	4825D29

High QNH **+90** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-400**
Wing A/I ON **-400**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	3900F 4	4188F14	4290F18
46	3968F 5	4258F15	4362F18
44	4015F 5	4310F15	4415F19
42	4042F 6	4343F16	4449F19
40	4057F 6	4358F16	4466F20
38	4069F 6	4371F17	4479F20
36	4080F 7	4384F17	4492F20
34	4091F 7	4397F17	4506F21
32	4103F 7	4410F18	4520F21
30	4115F 8	4423F18	4534F22
20	4174F 9	4492F20	4603F23
10	4203F11	4531F22	4645F25
0	4269F13	4607F24	4718D27
-10	4333F15	4679F26	4779D29

High QNH **+90** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28			3937F99
26		2774F99	3950F99
24		2990F99	3962F 0
22		3191F99	3975F 0
20		3429F98	3987F 0
18		3625F98	3998F 1
16		3813F98	4011F 1
14		3919F98	4023F 1
12		3931F98	4037F 2
10		3945F99	4051F 2
0		4013F 1	4117F 4
-10		4079F 3	4183F 6
-20		4144F 5	4252F 8
-30		4211F 7	4322F11

High QNH **+80** per .10"
Low QNH **-1020** per .10"

Engine A/I ON **-410**
Wing A/I ON **-410**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28		3292F 1	3598F 3
26		3324F 2	3615F 4
24		3356F 2	3631F 4
22		3390F 2	3649F 4
20		3422F 2	3667F 4
18	2649F95	3462F 2	3686F 5
16	2669F96	3504F 2	3696F 5
14	2691F96	3534F 2	3726F 5
12	2715F96	3577F 3	3736F 5
10	2715F96	3577F 3	3771F 6
0	2873F98	3685F 5	3891F 7
-10	3009F99	3795F 6	3980F 9
-20	3154F 0	3915F 8	4068F11
-30	3310F 1	4004F 9	4149F12

High QNH **+40** per .10"
Low QNH **-180** per .10"

Engine A/I ON **-430**
Wing A/I ON **-430**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	16	Length	6585	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.05
Rwy Rev.		Program						Rules	FAA		**27 Sep 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1016'		**DT H271**	**1016'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	3899F18	4137F22	4222F24	3840F 3	4117F13	4216F16	4725
46	87.7	3969F19	4210F23	4296F25	3903F 4	4186F14	4286F17	4844
44	87.6	4011F19	4254F24	4340F25	3942F 4	4229F14	4330F17	4901
42	87.4	4025F19	4269F24	4356F26	3957F 4	4245F15	4346F18	4947
40	87.1	4039F20	4284F24	4372F26	3972F 5	4261F15	4363F18	4959
38	86.8	4046F20	4294F24	4382F26	3984F 5	4273F15	4375F18	4961
36	86.6	4056F20	4305F25	4393F26	3994F 5	4285F16	4387F19	4962
34	86.3	4065F20	4316F25	4405F26	4005F 6	4297F16	4400F19	4964
32	86.0	4075F20	4327F25	4416F27	4017F 6	4309F16	4413F19	4966
30	85.7	4085F20	4338F25	4428F27	4029F 6	4322F17	4426F20	4968
20	84.3	4136F21	4395F26	4488F28	4085F 8	4386F18	4488D22	4976
10	82.8	4187F22	4453F27	4548F29	4142F10	4452F20	4548D23	4973
0	81.3	4243F23	4516F28	4613F30	4205F12	4516D22	4613D25	4984
-10	79.8	4296F24	4576F29	4676F31	4264F13	4576D24	4676D27	4988
-20	78.3	4352F25	4640F31	4739F32	4330F15	4640D26	4739D29	4985
-30	76.7	4408F26	4703F32	4803F33	4396F17	4703D28	4803D31	4983

High QNH **+80** per .10" — Engine A/I ON **-380**
Low QNH **-150** per .10" — Wing A/I ON **-380**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	3982F19	4226F24	4313F26	3898F 4	4186F15	4289F18	4725
46	90.9	4055F20	4302F25	4390F27	3965F 5	4257F15	4361F18	4844
44	90.8	4109F21	4358F26	4447F27	4014F 5	4309F16	4414F19	4901
42	90.5	4143F22	4396F26	4486F28	4041F 6	4341F16	4448F20	4947
40	90.2	4156F22	4410F27	4500F28	4055F 6	4357F17	4464F20	4959
38	89.9	4166F22	4421F27	4512F28	4067F 7	4369F17	4478F20	4961
36	89.7	4175F22	4432F27	4523F29	4078F 7	4382F17	4491F21	4962
34	89.4	4185F22	4443F27	4535F29	4089F 7	4395F18	4504F21	4964
32	89.1	4195F23	4455F27	4547F29	4100F 8	4408F18	4518F21	4966
30	88.8	4206F23	4466F28	4557F29	4110F 8	4421F18	4532F22	4968
20	87.3	4258F24	4524F29	4620F30	4171F10	4490F20	4601F23	4976
10	85.8	4310F25	4584F30	4680F31	4230F11	4559F22	4673F25	4973
0	84.2	4369F26	4650F31	4746F32	4295F13	4634F24	4746D27	4984
-10	82.7	4425F27	4712F32	4810F34	4362F15	4708F26	4810D29	4988
-20	81.1	4481F28	4774F33	4874F35	4431F17	4774D28	4874D31	4985
-30	79.5	4541F29	4839F34	4936^36	4502F19	4839D30	4936D34	4983

High QNH **+80** per .10" — Engine A/I ON **-450**
Low QNH **-150** per .10" — Wing A/I ON **-450**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	3982F19-19-31	4226F24-24-34	4313F26-26-36	4403F27-27-37
46	90.9	4055F20-20-32	4302F25-25-36	4390F27-27-37	4481F28-28-38
44	90.8	4109F21-21-33	4358F26-26-36	4447F27-27-38	4539F29-29-39
42	90.5	4143F22-22-33	4396F26-26-37	4486F28-28-38	4579F30-30-40
40	90.2	4156F22-22-33	4410F27-27-37	4500F28-28-39	4592F30-30-40
38	89.9	4166F22-22-33	4421F27-27-37	4512F28-28-39	4604F30-30-40
36	89.7	4175F22-22-34	4432F27-27-38	4523F29-29-39	4616F30-30-40
34	89.4	4185F22-22-34	4443F27-27-38	4535F29-29-39	4628F31-31-40
32	89.1	4195F23-23-34	4455F27-27-38	4547F29-29-39	4641F31-31-41
30	88.8	4206F23-23-34	4466F28-28-38	4557F29-29-39	4653F31-31-41
20	87.3	4258F24-24-35	4524F29-29-39	4620F30-30-40	4714F32-32-42
10	85.8	4310F25-25-36	4584F30-30-40	4680F31-31-41	4776F33-33-43
0	84.2	4369F26-26-37	4650F31-31-41	4746F32-32-42	4844F34-34-44
-10	82.7	4425F27-27-37	4712F32-32-42	4810F34-34-43	4910F35-35-44
-20	81.1	4481F28-28-38	4774F33-33-43	4874F35-35-44	4980F36-36-45
-30	79.5	4541F29-29-39	4839F34-34-43	4936^36-36-45	4979^36-36-45

High QNH **+80** per .10" — Engine A/I ON **-450**
Low QNH **-150** per .10" — Wing A/I ON **-450**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	16	Length	6585	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.05
Rwy Rev.		Program						Rules	FAA		**27 Sep 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3982F19	4226F24	4313F26	3973F19	4217F24	4304F25			
46	4055F20	4302F25	4390F27	4046F20	4292F25	4380F26			
44	4109F21	4358F26	4447F27	4100F21	4349F26	4437F27			
42	4143F22	4396F26	4486F28	4134F21	4386F26	4476F28			
40	4156F22	4410F27	4500F28	4147F22	4400F26	4490F28			
38	4166F22	4421F27	4512F28	4157F22	4411F27	4502F28			
36	4175F22	4432F27	4523F29	4166F22	4422F27	4514F28			
34	4185F22	4443F27	4535F29	4176F22	4434F27	4526F29			
32	4195F23	4455F27	4547F29	4187F22	4445F27	4538F29			
30	4206F23	4466F28	4557F29	4197F23	4457F27	4550F29			
20	4258F24	4524F29	4620F30	4250F24	4517F28	4611F30			
10	4310F25	4584F30	4680F31	4271F24	4545F29	4637F31			
0	4369F26	4650F31	4746F32	4330F25	4608F30	4703F32			
-10	4425F27	4712F32	4810F34	4383F26	4666F31	4764F33			
	High QNH **+80** per .10" Low QNH **-150** per .10"			High QNH **+80** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-450** Wing A/I ON **-450**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3898F 4	4186F15	4289F18	3892F 4	4179F14	4281F18			
46	3965F 5	4257F15	4361F18	3960F 5	4249F15	4353F18			
44	4014F 5	4309F16	4414F19	4007F 5	4301F16	4406F19			
42	4041F 6	4341F16	4448F20	4034F 6	4334F16	4440F20			
40	4055F 6	4357F17	4464F20	4049F 6	4349F17	4456F20			
38	4067F 7	4369F17	4478F20	4060F 7	4362F17	4470F20			
36	4078F 7	4382F17	4491F21	4071F 7	4375F17	4483F21			
34	4089F 7	4395F18	4504F21	4083F 7	4388F18	4496F21			
32	4100F 8	4408F18	4518F21	4094F 8	4401F18	4510F21			
30	4110F 8	4421F18	4532F22	4106F 8	4414F18	4524F22			
20	4171F10	4490F20	4601F23	4165F10	4482F20	4596F23			
10	4230F11	4559F22	4673F25	4194F11	4522F22	4635F25			
0	4295F13	4634F24	4746D27	4259F13	4597F24	4703D27			
-10	4362F15	4708F26	4810D29	4324F15	4666D26	4764D29			
	High QNH **+90** per .10" Low QNH **-150** per .10"			High QNH **+90** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-420** Wing A/I ON **-420**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		2799F99	3931F99		3276F 2	3587F 4			
26		3011F99	3943F 0		3308F 2	3606F 4			
24		3212F99	3956F 0		3341F 2	3623F 4			
22		3424F98	3968F 0		3371F 2	3641F 4			
20		3599F98	3980F 1		3408F 2	3658F 5			
18		3771F98	3992F 1		3444F 3	3676F 5			
16		3900F98	4004F 1	2655F96	3484F 3	3693F 5			
14		3912F98	4018F 2	2677F96	3526F 3	3717F 6			
12		3925F99	4032F 2	2706F97	3555F 3	3738F 6			
10		3938F99	4043F 3	2706F97	3578F 3	3750F 6			
0		4005F 1	4110F 5	2872F98	3676F 5	3881F 7			
-10		4071F 3	4174F 7	2996F99	3784F 6	3973F 9			
-20		4136F 5	4244F 9	3141F 0	3905F 8	4060F11			
-30		4203F 7	4314F11	3298F 1	3997F10	4149F13			
	High QNH **+60** per .10" Low QNH **-960** per .10"			High QNH **+40** per .10" Low QNH **-180** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-430** Wing A/I ON **-430**			Engine A/I ON **-420** Wing A/I ON **-420**			Engine A/I ON Wing A/I ON		

Elevation	16	Length	6585	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.05
Rwy Rev.		Program						Rules	FAA		**27 Sep 17**

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MANZANILLO/MEXICO -ZLO 10 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D2.5 ZLO	**300'**	**RT H135**	**1030'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4081F21	4329F26	4417F27	4017F 8	4303F17	4405F20	4722
46	87.7	4153F22	4404F27	4494F28	4085F 8	4375F18	4478F21	4842
44	87.6	4197F23	4451F27	4540F29	4128F 8	4420F18	4523F21	4900
42	87.4	4213F23	4467F28	4558F29	4144F 9	4437F19	4542F22	4947
40	87.1	4228F23	4484F28	4573F30	4159F 9	4455F19	4559F22	4959
38	86.9	4238F23	4495F28	4584F30	4170F 9	4467F19	4572F22	4961
36	86.6	4248F24	4506F28	4596F30	4181F10	4480F20	4585F23	4962
34	86.3	4258F24	4517F29	4608F30	4193F10	4493F20	4599F23	4964
32	86.0	4268F24	4529F29	4620F30	4204F10	4506F20	4613F23	4966
30	85.7	4279F24	4541F29	4633F31	4216F11	4519F21	4625F24	4968
20	84.3	4333F25	4601F30	4695F32	4275F12	4588F22	4695D26	4976
10	82.8	4388F26	4663F31	4756F33	4336F14	4656F24	4756D27	4973
0	81.3	4448F27	4727F32	4823F34	4403F16	4727D26	4823D29	4984
-10	79.8	4503F28	4790F33	4886F35	4469F18	4790D28	4886D31	4988
-20	78.3	4564F29	4854F34	4930^36	4538F20	4854D30	4930D34	4985
-30	76.7	4624F30	4878^35	4922^35	4607F22	4878D33	4922D36	4983

High QNH **+10** per .10" Engine A/I ON **-720**
Low QNH **-150** per .10" Wing A/I ON **-720**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4172F23	4426F28	4511F29	4080F 9	4379F19	4483F22	4722
46	90.9	4248F24	4505F29	4593F30	4150F 9	4453F19	4559F22	4842
44	90.8	4305F25	4564F29	4655F31	4201F10	4508F20	4614F23	4900
42	90.5	4343F25	4605F30	4695F32	4232F10	4543F21	4652F24	4947
40	90.2	4357F26	4620F30	4711F32	4247F11	4560F21	4669F24	4959
38	90.0	4368F26	4633F31	4723F32	4259F11	4574F21	4683F24	4961
36	89.7	4379F26	4644F31	4734F32	4269F11	4587F22	4697F25	4962
34	89.4	4389F26	4656F31	4746F33	4281F12	4599F22	4710F25	4964
32	89.1	4400F26	4668F31	4758F33	4294F12	4613F22	4725F25	4966
30	88.8	4411F27	4680F31	4771F33	4306F12	4628F23	4739F26	4968
20	87.3	4466F28	4741F32	4834F34	4370F14	4699F24	4813F28	4976
10	85.8	4523F29	4801F33	4896F35	4435F16	4771F26	4887F30	4973
0	84.2	4586F30	4866F35	4953^36	4506F18	4850F28	4953^32	4984
-10	82.7	4646F31	4911^35	4952^36	4577F20	4911^30	4952D34	4988
-20	81.1	4707F32	4903^35	4945^36	4649F22	4903D33	4945D36	4985
-30	79.5	4765^33	4893^35	4936^36	4723F24	4893D35	4936D36	4983

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4172F23-23-34	4426F28-28-37	4511F29-29-39	4599F31-31-40
46	90.9	4248F24-24-35	4505F29-29-39	4593F30-30-40	4682F32-32-41
44	90.8	4305F25-25-36	4564F29-29-39	4655F31-31-41	4745F33-33-42
42	90.5	4343F25-25-36	4605F30-30-40	4695F32-32-41	4786F33-33-43
40	90.2	4357F26-26-36	4620F30-30-40	4711F32-32-42	4802F34-34-43
38	90.0	4368F26-26-37	4633F31-31-40	4723F32-32-42	4815F34-34-43
36	89.7	4379F26-26-37	4644F31-31-41	4734F32-32-42	4827F34-34-43
34	89.4	4389F26-26-37	4656F31-31-41	4746F33-33-42	4839F34-34-43
32	89.1	4400F26-26-37	4668F31-31-41	4758F33-33-42	4852F34-34-44
30	88.8	4411F27-27-37	4680F31-31-41	4771F33-33-42	4865F35-35-44
20	87.3	4466F28-28-38	4741F32-32-42	4834F34-34-43	4930F36-36-45
10	85.8	4523F29-29-39	4801F33-33-43	4896F35-35-44	4973C36-36-45
0	84.2	4586F30-30-40	4866F35-35-44	4953^36-36-45	4984C36-36-46
-10	82.7	4646F31-31-41	4911^35-35-44	4952^36-36-45	4988C37-37-46
-20	81.1	4707F32-32-42	4903^35-35-44	4945^36-36-45	5000C43-43-52
-30	79.5	4765^33-33-42	4893^35-35-44	4990F43-43-51	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	30	Length	7238	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4172F23	4426F28	4511F29	4163F23	4417F27	4501F29			
46	4248F24	4505F29	4593F30	4239F24	4495F28	4583F30			
44	4305F25	4564F29	4655F31	4295F25	4555F29	4644F31			
42	4343F25	4605F30	4695F32	4333F25	4594F30	4684F32			
40	4357F26	4620F30	4711F32	4348F25	4610F30	4700F32			
38	4368F26	4633F31	4723F32	4359F26	4622F30	4712F32			
36	4379F26	4644F31	4734F32	4369F26	4634F31	4724F32			
34	4389F26	4656F31	4746F33	4380F26	4646F31	4736F32			
32	4400F26	4668F31	4758F33	4391F26	4658F31	4748F33			
30	4411F27	4680F31	4771F33	4402F26	4670F31	4761F33			
20	4466F28	4741F32	4834F34	4457F27	4731F32	4824F34			
10	4523F29	4801F33	4896F35	4484F28	4757F33	4851F35			
0	4586F30	4866F35	4953^36	4545F29	4825F34	4867^35			
-10	4646F31	4911^35	4952^36	4603F30	4824^34	4864^35			
	High QNH +10 per .10" Low QNH -160 per .10"			High QNH +10 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4080F 9	4379F19	4483F22	4073F 9	4371F19	4475F22			
46	4150F 9	4453F19	4559F22	4144F 9	4444F19	4551F22			
44	4201F10	4508F20	4614F23	4194F10	4499F20	4607F23			
42	4232F10	4543F21	4652F24	4225F10	4535F20	4643F24			
40	4247F11	4560F21	4669F24	4240F11	4552F21	4661F24			
38	4259F11	4574F21	4683F24	4252F11	4566F21	4675F24			
36	4269F11	4587F22	4697F25	4264F11	4579F21	4688F25			
34	4281F12	4599F22	4710F25	4274F12	4593F22	4702F25			
32	4294F12	4613F22	4725F25	4287F12	4605F22	4716F25			
30	4306F12	4628F23	4739F26	4299F12	4619F22	4731F26			
20	4370F14	4699F24	4813F28	4364F14	4691F24	4804F28			
10	4435F16	4771F26	4887F30	4397F16	4731F26	4848F29			
0	4506F18	4850F28	4953^32	4469F18	4811F28	4867D32			
-10	4577F20	4911^30	4952D34	4538F20	4824D31	4864D34			
	High QNH +10 per .10" Low QNH -150 per .10"			High QNH +10 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3294F92	4208^99	4257^ 3	2957F98	3638F 5	3823F 7			
26	3331F92	4210^ 0	4259^ 3	2973F98	3655F 5	3846F 8			
24	3366F92	4212^ 0	4261^ 3	2994F98	3672F 5	3867F 8			
22	3399F92	4213^ 0	4263^ 4	3009F99	3691F 6	3883F 8			
20	3427F93	4215^ 1	4265^ 4	3030F99	3710F 6	3900F 8			
18	3463F93	4216^ 1	4266^ 5	3042F99	3729F 6	3918F 9			
16	3500F93	4216^ 1	4266^ 5	3066F99	3748F 6	3930F 9			
14	3535F93	4214^ 2	4265^ 5	3086F 0	3771F 7	3942F 9			
12	3569F93	4213^ 2	4264^ 6	3102F 0	3793F 7	3967F10			
10	3604F94	4215^ 3	4265^ 6	3128F 0	3817F 7	3985F10			
0	3777F95	4225^ 5	4277^ 9	3254F 1	3922F 9	4074F12			
-10	3823F97	4228^ 7	4281^11	3410F 3	4004F10	4177F13			
-20	3995F98	4228^10	4280D14		4097F12				
-30	4060^ 0	4226D12	4271D15		4212F14	4269^15			
	High QNH +10 per .10" Low QNH -10 per .10"			High QNH +40 per .10" Low QNH -120 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -690 Wing A/I ON -690			Engine A/I ON -520 Wing A/I ON -520			Engine A/I ON Wing A/I ON		

Elevation 30 Length 7238 Shift **0** Clearway 0 Stopway 0 Slope +0.00

Rwy Rev. Program Rules FAA **26 Oct 17**

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MANZANILLO/MEXICO -ZLO 28 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D3.1 ZLO	**500'**	**LT H250**	**1030'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4081F21	4329F26	4417F27	4017F 8	4303F17	4405F20	4722
46	87.7	4153F22	4404F27	4494F28	4085F 8	4375F18	4478F21	4842
44	87.6	4197F23	4451F27	4540F29	4128F 8	4420F18	4523F21	4900
42	87.4	4213F23	4467F28	4558F29	4144F 9	4437F19	4542F22	4947
40	87.1	4228F23	4484F28	4573F30	4159F 9	4455F19	4559F22	4959
38	86.9	4238F23	4495F28	4584F30	4170F 9	4467F19	4572F22	4961
36	86.6	4248F24	4506F28	4596F30	4181F10	4480F20	4585F23	4962
34	86.3	4258F24	4517F29	4608F30	4193F10	4493F20	4599F23	4964
32	86.0	4268F24	4529F29	4620F30	4204F10	4506F20	4613F23	4966
30	85.7	4279F24	4541F29	4633F31	4216F11	4519F21	4625F24	4968
20	84.3	4333F25	4601F30	4695F32	4275F12	4588F22	4695D26	4976
10	82.8	4388F26	4663F31	4756F33	4336F14	4656F24	4756D27	4973
0	81.3	4448F27	4727F32	4823F34	4403F16	4727D26	4823D29	4984
-10	79.8	4503F28	4790F33	4886F35	4469F18	4790D28	4886D31	4988
-20	78.3	4564F29	4854F34	4930^36	4538F20	4854D30	4930D34	4985
-30	76.7	4624F30	4878^35	4922^35	4607F22	4878D33	4922D36	4983

High QNH **+10** per .10" Engine A/I ON **-720**
Low QNH **-150** per .10" Wing A/I ON **-720**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4172F23	4426F28	4511F29	4080F 9	4379F19	4483F22	4722
46	90.9	4248F24	4505F29	4593F30	4150F 9	4453F19	4559F22	4842
44	90.8	4305F25	4564F29	4655F31	4201F10	4508F20	4614F23	4900
42	90.5	4343F25	4605F30	4695F32	4232F10	4543F21	4652F24	4947
40	90.2	4357F26	4620F30	4711F32	4247F11	4560F21	4669F24	4959
38	90.0	4368F26	4633F31	4723F32	4259F11	4574F21	4683F24	4961
36	89.7	4379F26	4644F31	4734F32	4269F11	4587F22	4697F25	4962
34	89.4	4389F26	4656F31	4746F33	4281F12	4599F22	4710F25	4964
32	89.1	4400F26	4668F31	4758F33	4294F12	4613F22	4725F25	4966
30	88.8	4411F27	4680F31	4771F33	4306F12	4628F23	4739F26	4968
20	87.3	4466F28	4741F32	4834F34	4370F14	4699F24	4813F28	4976
10	85.8	4523F29	4801F33	4896F35	4435F16	4771F26	4887F30	4973
0	84.2	4586F30	4866F35	4953^36	4506F18	4850F28	4953^32	4984
-10	82.7	4646F31	4911^35	4952^36	4577F20	4911^30	4952D34	4988
-20	81.1	4707F32	4903^35	4945^36	4649F22	4903D33	4945D36	4985
-30	79.5	4765^33	4893^35	4936^36	4723F24	4893D35	4936D36	4983

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4172F23-23-34	4426F28-28-37	4511F29-29-39	4599F31-31-40
46	90.9	4248F24-24-35	4505F29-29-39	4593F30-30-40	4682F32-32-41
44	90.8	4305F25-25-36	4564F29-29-39	4655F31-31-41	4745F33-33-42
42	90.5	4343F25-25-36	4605F30-30-40	4695F32-32-41	4786F33-33-43
40	90.2	4357F26-26-36	4620F30-30-40	4711F32-32-42	4802F34-34-43
38	90.0	4368F26-26-37	4633F31-31-40	4723F32-32-42	4815F34-34-43
36	89.7	4379F26-26-37	4644F31-31-41	4734F32-32-42	4827F34-34-43
34	89.4	4389F26-26-37	4656F31-31-41	4746F33-33-42	4839F34-34-43
32	89.1	4400F26-26-37	4668F31-31-41	4758F33-33-42	4852F34-34-44
30	88.8	4411F27-27-37	4680F31-31-41	4771F33-33-42	4865F35-35-44
20	87.3	4466F28-28-38	4741F32-32-42	4834F34-34-43	4930F36-36-45
10	85.8	4523F29-29-39	4801F33-33-43	4896F35-35-44	4973C36-36-45
0	84.2	4586F30-30-40	4866F35-35-44	4953^36-36-45	4984C36-36-46
-10	82.7	4646F31-31-41	4911^35-35-44	4952^36-36-45	4988C37-37-46
-20	81.1	4707F32-32-42	4903^35-35-44	4945^36-36-45	5000C43-43-52
-30	79.5	4765^33-33-42	4893^35-35-44	4990F43-43-51	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-860**
Low QNH **-160** per .10" Wing A/I ON **-860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	30	Length	7238	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4172F23	4426F28	4511F29
46	4248F24	4505F29	4593F30
44	4305F25	4564F29	4655F31
42	4343F25	4605F30	4695F32
40	4357F26	4620F30	4711F32
38	4368F26	4633F31	4723F32
36	4379F26	4644F31	4734F32
34	4389F26	4656F31	4746F33
32	4400F26	4668F31	4758F33
30	4411F27	4680F31	4771F33
20	4466F28	4741F32	4834F34
10	4523F29	4801F33	4896F35
0	4586F30	4866F35	4953^36
-10	4646F31	4911^35	4952^36

High QNH **+10** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4163F23	4417F27	4501F29
4239F24	4495F28	4583F30
4295F25	4555F29	4644F31
4333F25	4594F30	4684F32
4348F25	4610F30	4700F32
4359F26	4622F30	4712F32
4369F26	4634F31	4724F32
4380F26	4646F31	4736F32
4391F26	4658F31	4748F33
4402F26	4670F31	4761F33
4457F27	4731F32	4824F34
4484F28	4757F33	4851F35
4545F29	4825F34	4867^35
4603F30	4824^34	4864^35

High QNH **+10** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4080F 9	4379F19	4483F22
46	4150F 9	4453F19	4559F22
44	4201F10	4508F20	4614F23
42	4232F10	4543F21	4652F24
40	4247F11	4560F21	4669F24
38	4259F11	4574F21	4683F24
36	4269F11	4587F22	4697F25
34	4281F12	4599F22	4710F25
32	4294F12	4613F22	4725F25
30	4306F12	4628F23	4739F26
20	4370F14	4699F24	4813F28
10	4435F16	4771F26	4887F30
0	4506F18	4850F28	4953^32
-10	4577F20	4911^30	4952D34

High QNH **+10** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4073F 9	4371F19	4475F22
4144F 9	4444F19	4551F22
4194F10	4499F20	4607F23
4225F10	4535F20	4643F24
4240F11	4552F21	4661F24
4252F11	4566F21	4675F24
4264F11	4579F21	4688F25
4274F12	4593F22	4702F25
4287F12	4605F22	4716F25
4299F12	4619F22	4731F26
4364F14	4691F24	4804F28
4397F16	4731F26	4848F29
4469F18	4811F28	4867D32
4538F20	4824D31	4864D34

High QNH **+10** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3294F92	4208^99	4257^ 3
26	3331F92	4210^ 0	4259^ 3
24	3366F92	4212^ 0	4261^ 3
22	3399F92	4213^ 0	4263^ 4
20	3427F93	4215^ 1	4265^ 4
18	3463F93	4216^ 1	4266^ 5
16	3500F93	4216^ 1	4266^ 5
14	3535F93	4214^ 2	4265^ 5
12	3569F93	4213^ 2	4264^ 6
10	3604F94	4215^ 3	4265^ 6
0	3777F95	4225^ 5	4277^ 9
-10	3823F97	4228^ 7	4281^11
-20	3995F98	4228^10	4280D14
-30	4060^ 0	4226D12	4271D15

High QNH **+10** per .10"
Low QNH **-10** per .10"

Engine A/I ON **-690**
Wing A/I ON **-690**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
2957F98	3638F 5	3823F 7
2973F98	3655F 5	3846F 8
2994F98	3672F 5	3867F 8
3009F99	3691F 6	3883F 8
3030F99	3710F 6	3900F 8
3042F99	3729F 6	3918F 9
3066F99	3748F 6	3930F 9
3086F 0	3771F 7	3942F 9
3102F 0	3793F 7	3967F10
3128F 0	3817F 7	3985F10
3254F 1	3922F 9	4074F12
3410F 3	4004F10	4177F13
	4097F12	
	4212F14	4269^15

High QNH **+40** per .10"
Low QNH **-120** per .10"

Engine A/I ON **-520**
Wing A/I ON **-520**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 30 Length 7238 Shift **0** Clearway 0 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **26 Oct 17**

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MAZATLAN -MZT 08 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		700'		RT H260	1038'	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4418^27	4555^30	4592^31
46	87.7	4506^29	4652^31	4692^32
44	87.6	4558^29	4706^32	4748^33
42	87.4	4575^30	4724^32	4766^33
40	87.1	4590^30	4739^32	4781^33
38	86.9	4598^30	4746^33	4788^33
36	86.6	4607^30	4753^33	4794^33
34	86.3	4614^30	4761^33	4802^33
32	86.0	4623^30	4769^33	4809^34
30	85.7	4632^31	4777^33	4816^34
20	84.3	4673^31	4816^34	4857^34
10	82.8	4707^32	4846^34	4904^35
0	81.3	4756^33	4896^35	4936^36
-10	79.8	4772^33	4893^35	4935^36
-20	78.3	4761^33	4886^35	4928^36
-30	76.7	4746^32	4876^35	4920^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4382^18	4555D28	4592D31	4721
4463^18	4652D28	4692D31	4840
4512^19	4706D29	4748D32	4899
4530^19	4724D29	4766D32	4947
4546^20	4739D29	4781D33	4959
4556^20	4746D30	4788D33	4961
4566^20	4753D30	4794D33	4962
4577^21	4761D30	4802D34	4964
4588^21	4769D31	4809D34	4966
4599^21	4777D31	4816D34	4968
4652^23	4816D33	4857D36	4976
4696^25	4846D35	4904D36	4972
4756^27	4896D35	4936D36	4984
4772D29	4893D35	4935D36	4988
4761D32	4886D35	4928D36	4985
4746D33	4876D35	4920D36	4983

High QNH **+10** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4470^28	4599^31	4645^32
46	90.9	4566^30	4699^32	4738^33
44	90.8	4626^31	4761^33	4801^34
42	90.5	4655^31	4789^33	4834^34
40	90.2	4668^31	4803^34	4850^34
38	90.0	4676^31	4810^34	4860^34
36	89.7	4684^31	4817^34	4869^35
34	89.4	4693^32	4823^34	4879^35
32	89.1	4702^32	4831^34	4888^35
30	88.8	4710^32	4841^34	4898^35
20	87.3	4755^33	4890^35	4948^36
10	85.8	4795^33	4908^35	4946^36
0	84.2	4796^33	4912^35	4951^36
-10	82.7	4790^33	4909^35	4950^36
-20	81.1	4777^33	4901^35	4943^36
-30	79.5	4762^33	4891^35	4934^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4436^20	4599D29	4645D32	4721
4524^20	4699D30	4738D33	4840
4582^21	4761D31	4801D34	4899
4611^21	4789D32	4834D35	4947
4627^22	4803D32	4850D35	4959
4636^22	4810D32	4860D35	4961
4644^23	4817D33	4869D36	4962
4654^23	4823D33	4879D36	4964
4664^23	4831D33	4888D36	4966
4674^24	4841D34	4898D36	4968
4730^26	4890D35	4948D36	4976
4781^28	4908D35	4946D36	4972
4796D30	4912D35	4951D36	4984
4790D32	4909D35	4950D36	4988
4777D33	4901D35	4943D36	4985
4762D33	4891D35	4934D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4470^28-28-38	4599^31-31-40	4645^32-32-41	4701^32-32-41
46	90.9	4566^30-30-39	4699^32-32-41	4738^33-33-42	4796^34-34-43
44	90.8	4626^31-31-40	4761^33-33-42	4801^34-34-43	4859^35-35-44
42	90.5	4655^31-31-41	4789^33-33-43	4834^34-34-43	4893^35-35-44
40	90.2	4668^31-31-41	4803^34-34-43	4850^34-34-44	4909^35-35-44
38	90.0	4676^31-31-41	4810^34-34-43	4860^34-34-44	4919^35-35-45
36	89.7	4684^31-31-41	4817^34-34-43	4869^35-35-44	4928^36-36-45
34	89.4	4693^32-32-41	4823^34-34-43	4879^35-35-44	4938^36-36-45
32	89.1	4702^32-32-41	4831^34-34-43	4888^35-35-44	4947^36-36-45
30	88.8	4710^32-32-42	4841^34-34-43	4898^35-35-44	4957^36-36-45
20	87.3	4755^33-33-42	4890^35-35-44	4948^36-36-45	4976C36-36-45
10	85.8	4795^33-33-43	4908^35-35-44	4946^36-36-45	4972C36-36-45
0	84.2	4796^33-33-43	4912^35-35-45	4952^42-42-51	4998C43-43-52
-10	82.7	4809^39-39-49	4948^42-42-51	5003C43-43-52	5003C43-43-52
-20	81.1	4852^40-40-49	4994^43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4894^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-170** per .10" Wing A/I ON **-840**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 38 Length 8865 Shift **0** Clearway 0 Stopway 0 Slope +0.19
Rwy Rev. Program Rules FAA **13 Mar 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4470^28	4599^31	4645^32
46	4566^30	4699^32	4738^33
44	4626^31	4761^33	4801^34
42	4655^31	4789^33	4834^34
40	4668^31	4803^34	4850^34
38	4676^31	4810^34	4860^34
36	4684^31	4817^34	4869^35
34	4693^32	4823^34	4879^35
32	4702^32	4831^34	4888^35
30	4710^32	4841^34	4898^35
20	4755^33	4890^35	4948^36
10	4795^33	4908^35	4946^36
0	4796^33	4912^35	4951^36
-10	4790^33	4909^35	4950^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4463^28	4591^31	4637^31
46	4558^30	4692^32	4729^33
44	4619^30	4754^33	4791^33
42	4647^31	4782^33	4826^34
40	4662^31	4796^33	4842^34
38	4668^31	4804^34	4852^34
36	4676^31	4810^34	4861^35
34	4686^32	4817^34	4871^35
32	4695^32	4824^34	4881^35
30	4703^32	4833^34	4891^35
20	4748^33	4882^35	4940^36
10	4711^32	4823^34	4860^35
0	4711^32	4826^34	4864^35
-10	4703^32	4822^34	4862^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4436^20	4599D29	4645D32
46	4524^20	4699D30	4738D33
44	4582^21	4761D31	4801D34
42	4611^21	4789D32	4834D35
40	4627^22	4803D32	4850D35
38	4636^22	4810D32	4860D35
36	4644^23	4817D33	4869D36
34	4654^23	4823D33	4879D36
32	4664^23	4831D33	4888D36
30	4674^24	4841D34	4898D36
20	4730^26	4890D35	4948D36
10	4781^28	4908D35	4946D36
0	4796D30	4912D35	4951D36
-10	4790D32	4909D35	4950D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4430^19	4591D29	4637D32
46	4517^20	4692D30	4729D33
44	4574^21	4754D31	4791D34
42	4604^21	4782D31	4826D34
40	4619^22	4796D32	4842D35
38	4630^22	4804D32	4852D35
36	4638^22	4810D32	4861D36
34	4648^23	4817D33	4871D36
32	4658^23	4824D33	4881D36
30	4667^24	4833D34	4891D36
20	4723^25	4882D35	4940D36
10	4710^28	4823D34	4860D35
0	4711D30	4826D34	4864D35
-10	4703D32	4822D34	4862D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4148F 1	4410F12	4494^15
26	4159F 2	4423F12	4506^15
24	4169F 2	4436F12	4517^16
22	4180F 2	4448F13	4530^16
20	4191F 3	4459F13	4540^16
18	4202F 3	4469^13	4552^17
16	4211F 4	4481^14	4564^17
14	4222F 4	4491^14	4576^18
12	4233F 4	4503^15	4587^18
10	4245F 5	4514^15	4598^19
0	4306F 7	4578^17	4663^21
-10	4367F 9	4640^19	4723^23
-20	4430F11	4701^22	4786^25
-30	4495F13	4762^24	4847^28

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-520**
Wing A/I ON **-520**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3814F 6	4068F16	4158F19
26	3824F 7	4078F16	4171F19
24	3835F 7	4092F17	4183F20
22	3845F 7	4101F17	4194F20
20	3856F 8	4114F17	4208F20
18	3865F 8	4126F18	4221F21
16	3875F 9	4137F18	4234F21
14	3885F 9	4149F18	4247F22
12	3896F 9	4161F19	4259F22
10	3908F10	4174F19	4272F22
0	3965F11	4241F21	4344F24
-10	4021F13	4307F23	4417F26
-20	4078F15	4380F25	4492F28
-30	4135F17	4453F27	4588F30

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-440**
Wing A/I ON **-440**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 38 Length 8865 Shift **0** Clearway 0 Stopway 0 Slope +0.19
Rwy Rev. Program Rules FAA **13 Mar 19**

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MAZATLAN -MZT 08-E250M *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		700'		RT H260	1038'	

NOTAMS A1990/19

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
48	87.6	4293F25	4540F30	4592^31
46	87.7	4369F26	4620F31	4692^32
44	87.6	4415F27	4670F31	4748^33
42	87.4	4432F27	4688F32	4765^33
40	87.1	4448F27	4705F32	4780^33
38	86.9	4458F27	4716F32	4787^33
36	86.6	4469F28	4728F32	4794^33
34	86.3	4480F28	4739F32	4801^33
32	86.0	4491F28	4752F33	4809^34
30	85.7	4503F28	4764F33	4816^34
20	84.3	4561F29	4816^34	4857^34
10	82.8	4618F30	4847^34	4904^35
0	81.3	4679F31	4896^35	4936^36
-10	79.8	4738F32	4894^35	4935^36
-20	78.3	4760^33	4886^35	4928^36
-30	76.7	4746^32	4876^35	4920^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4225F13	4516F23	4588^26	4721
46	87.7	4296F14	4592F23	4682^26	4840
44	87.6	4341F14	4640F24	4736^27	4899
42	87.4	4358F14	4659F24	4754^27	4947
40	87.1	4375F15	4677F24	4770^27	4959
38	86.9	4387F15	4690F25	4779^28	4961
36	86.6	4399F15	4703F25	4788^28	4962
34	86.3	4411F16	4717F25	4796^28	4964
32	86.0	4424F16	4730F26	4805^29	4966
30	85.7	4436F16	4744F26	4815^29	4968
20	84.3	4501F18	4806^28	4857D31	4976
10	82.8	4567F20	4847D30	4904D33	4972
0	81.3	4636F22	4896D32	4936D35	4984
-10	79.8	4704F24	4894D34	4935D36	4988
-20	78.3	4758^26	4886D35	4928D36	4985
-30	76.7	4746D28	4876D35	4920D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
48	90.8	4392F27	4598^31	4645^32
46	90.9	4475F28	4699^32	4738^33
44	90.8	4535F29	4761^33	4801^34
42	90.5	4575F30	4788^33	4834^34
40	90.2	4591F30	4803^34	4850^34
38	90.0	4602F30	4809^34	4860^34
36	89.7	4613F30	4816^34	4869^35
34	89.4	4623F30	4822^34	4878^35
32	89.1	4635F31	4830^34	4888^35
30	88.8	4646F31	4841^34	4898^35
20	87.3	4704F32	4890^35	4948^36
10	85.8	4762F33	4908^35	4946^36
0	84.2	4796^33	4912^35	4951^36
-10	82.7	4790^33	4909^35	4950^36
-20	81.1	4777^33	4901^35	4943^36
-30	79.5	4763^33	4891^35	4934^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4298F15	4580^24	4645D27	4721
46	90.9	4372F15	4673^25	4735^28	4840
44	90.8	4426F16	4737F25	4795^29	4899
42	90.5	4460F16	4761^26	4829^29	4947
40	90.2	4477F17	4777^26	4847^30	4959
38	90.0	4490F17	4786^27	4860^30	4961
36	89.7	4503F17	4795^27	4869D31	4962
34	89.4	4516F18	4804^28	4878D31	4964
32	89.1	4529F18	4813^28	4888D31	4966
30	88.8	4543F18	4824^28	4898D32	4968
20	87.3	4609F20	4886^30	4948D34	4976
10	85.8	4676F22	4908D32	4946D36	4972
0	84.2	4751F24	4912D35	4951D36	4984
-10	82.7	4786^26	4909D35	4950D36	4988
-20	81.1	4777D29	4901D35	4943D36	4985
-30	79.5	4763D31	4891D35	4934D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	4392F27-27-37	4598^31-31-40	4645^32-32-41	4701^32-32-41
46	90.9	4475F28-28-38	4699^32-32-41	4738^33-33-42	4796^34-34-43
44	90.8	4535F29-29-39	4761^33-33-42	4801^34-34-43	4859^35-35-44
42	90.5	4575F30-30-40	4788^33-33-43	4834^34-34-43	4893^35-35-44
40	90.2	4591F30-30-40	4803^34-34-43	4850^34-34-44	4909^35-35-44
38	90.0	4602F30-30-40	4809^34-34-43	4860^34-34-44	4918^35-35-45
36	89.7	4613F30-30-40	4816^34-34-43	4869^35-35-44	4928^36-36-45
34	89.4	4623F30-30-40	4822^34-34-43	4878^35-35-44	4938^36-36-45
32	89.1	4635F31-31-40	4830^34-34-43	4888^35-35-44	4947^36-36-45
30	88.8	4646F31-31-41	4841^34-34-43	4898^35-35-44	4957^36-36-45
20	87.3	4704F32-32-42	4890^35-35-44	4948^36-36-45	4976C36-36-45
10	85.8	4762F33-33-42	4908^35-35-44	4946^36-36-45	4972C36-36-45
0	84.2	4796^33-33-43	4912^35-35-45	4953^42-42-51	4998C43-43-52
-10	82.7	4790^33-33-43	4949^42-42-51	5003C43-43-52	5003C43-43-52
-20	81.1	4784F39-39-48	4994^43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4846F40-40-49	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	8038	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.19
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4392F27	4598^31	4645^32
46	4475F28	4699^32	4738^33
44	4535F29	4761^33	4801^34
42	4575F30	4788^33	4834^34
40	4591F30	4803^34	4850^34
38	4602F30	4809^34	4860^34
36	4613F30	4816^34	4869^35
34	4623F30	4822^34	4878^35
32	4635F31	4830^34	4888^35
30	4646F31	4841^34	4898^35
20	4704F32	4890^35	4948^36
10	4762F33	4908^35	4946^36
0	4796^33	4912^35	4951^36
-10	4790^33	4909^35	4950^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4384F27	4592^31	4637^31
4464F28	4692^32	4730^33
4524F29	4754^33	4791^33
4564F29	4781^33	4826^34
4580F30	4796^33	4842^34
4592F30	4804^34	4852^34
4602F30	4810^34	4861^35
4613F30	4817^34	4871^35
4625F30	4824^34	4881^35
4636F31	4832^34	4891^35
4694F32	4882^35	4940^36
4711^32	4822^34	4860^35
4711^32	4826^34	4864^35
4703^32	4822^34	4862^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4298F15	4580^24	4645D27
46	4372F15	4673^25	4735^28
44	4426F16	4737F25	4795^29
42	4460F16	4761^26	4829^29
40	4477F17	4777^26	4847^30
38	4490F17	4786^27	4860^30
36	4503F17	4795^27	4869D31
34	4516F18	4804^28	4878D31
32	4529F18	4813^28	4888D31
30	4543F18	4824^28	4898D32
20	4609F20	4886^30	4948D34
10	4676F22	4908D32	4946D36
0	4751F24	4912D35	4951D36
-10	4786^26	4909D35	4950D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4290F14	4573^24	4637D27
4364F15	4669F24	4726^28
4418F16	4728F25	4786^28
4452F16	4755^26	4821^29
4469F17	4771^26	4839^30
4482F17	4780^27	4851^30
4495F17	4789^27	4861D30
4508F18	4797^27	4871D31
4521F18	4806^28	4881D31
4535F18	4817^28	4891D31
4601F20	4879^30	4940D33
4636F22	4822D33	4860D35
4705^24	4826D34	4864D35
4701^26	4822D34	4862D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3618F98	4211F 7	4307F10
26	3753F98	4224F 7	4320F10
24	3857F98	4236F 7	4332F11
22	3984F98	4249F 8	4345F11
20	3996F98	4261F 8	4358F11
18	4006F98	4273F 9	4371F12
16	4014F99	4284F 9	4383F12
14	4025F99	4297F 9	4396F13
12	4035F99	4309F10	4409F13
10	4047F 0	4321F10	4422F13
0	4106F 2	4391F12	4494F16
-10	4163F 4	4459F14	4567F18
-20	4222F 6	4530F16	4642F20
-30	4283F 8	4604F19	4719F22

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
3444F 2	3941F10	4111F12
3464F 2	3963F10	4129F13
3483F 3	3984F10	4148F13
3502F 3	4002F11	4167F13
3523F 3	4021F11	4186F13
3540F 3	4040F11	4206F14
3563F 4	4056F11	4227F14
3577F 4	4075F12	4247F14
3586F 4	4096F12	4267F15
3600F 5	4116F12	4278^15
3675F 6	4217F14	4284^15
3759F 8	4236^14	4281^15
3878^ 9	4229^14	4275^15
3995F10	4220^14	4268^14

High QNH **+0** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	38	Length	8038	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.19
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H266**	**1038'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4536^30	4636^31	4669^32
46	87.7	4629F31	4749^33	4783^33
44	87.6	4679F31	4833^34	4867^35
42	87.4	4697F32	4885^35	4920^36
40	87.1	4714F32	4893^35	4927^36
38	86.9	4725F32	4895^35	4930^36
36	86.6	4736F32	4896^35	4932^36
34	86.3	4747F33	4897^35	4933^36
32	86.0	4759F33	4899^35	4934^36
30	85.7	4771F33	4900^35	4936^36
20	84.3	4794^33	4904^35	4941^36
10	82.8	4783^33	4896^35	4935^36
0	81.3	4784^33	4901^35	4941^36
-10	79.8	4777^33	4898^35	4939^36
-20	78.3	4766^33	4890^35	4933^36
-30	76.7	4751^33	4880^35	4924^36

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4464F17	4636D27	4669D31	4721
4539F18	4748^28	4783D31	4840
4586F18	4831^28	4867D31	4899
4603F19	4882^28	4920D31	4947
4621F19	4890^28	4927D32	4959
4634F19	4893^29	4930D32	4961
4646F20	4894^29	4932D33	4962
4660F20	4896^30	4933D33	4964
4673F20	4898^30	4934D34	4966
4687F21	4900^31	4936D34	4968
4756F22	4904D33	4941D36	4976
4778^25	4896D35	4935D36	4972
4783^27	4901D35	4941D36	4984
4777D29	4898D35	4939D36	4988
4766D32	4890D35	4933D36	4985
4751D33	4880D35	4924D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4549^30	4646^32	4679^32
46	90.9	4662^31	4761^33	4794^34
44	90.8	4745^33	4846^34	4880^35
42	90.5	4799^33	4901^35	4936^36
40	90.2	4806^34	4910^35	4944^36
38	90.0	4808^34	4912^35	4946^36
36	89.7	4809^34	4913^35	4948^36
34	89.4	4809^34	4914^35	4949^36
32	89.1	4810^34	4915^35	4950^36
30	88.8	4810^34	4916^35	4952^36
20	87.3	4811^34	4921^35	4957^36
10	85.8	4800^33	4912^35	4950^36
0	84.2	4801^33	4916^35	4955^36
-10	82.7	4794^33	4913^35	4954^36
-20	81.1	4781^33	4905^35	4947^36
-30	79.5	4767^33	4895^35	4938^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4540^19	4646D29	4679D32	4721
4619F19	4761D30	4794D33	4840
4677F20	4846D30	4880D34	4899
4714F21	4901D31	4936D34	4947
4732F21	4910D31	4944D35	4959
4746F21	4912D32	4946D35	4961
4759F22	4913D32	4948D36	4962
4772F22	4914D33	4949D36	4964
4786F22	4915D33	4950D36	4966
4800F23	4916D33	4952D36	4968
4805^25	4921D36	4957D36	4976
4797^27	4912D35	4950D36	4972
4801D30	4916D35	4955D36	4984
4794D32	4913D35	4954D36	4988
4781D33	4905D35	4947D36	4985
4767D33	4895D35	4938D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4549^30-30-39	4738F39-39-48	4755C39-39-48	4755C39-39-48
46	90.9	4662^31-31-41	4825F40-40-49	4879C41-41-50	4879C41-41-50
44	90.8	4745^33-33-42	4889F41-41-50	4945C42-42-51	4945C42-42-51
42	90.5	4799^33-33-43	4936F42-42-51	4962^42-42-51	4962C42-42-51
40	90.2	4806^34-34-43	4952F42-42-51	4974^42-42-51	4974C42-42-51
38	90.0	4808^34-34-43	4966F42-42-51	4975^42-42-51	4975C42-42-51
36	89.7	4809^34-34-43	4976C42-42-51	4976^42-42-51	4976C42-42-51
34	89.4	4809^34-34-43	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4810^34-34-43	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4810^34-34-43	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4819F40-40-49	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4877F41-41-50	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4944F42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4942^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4930^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4916^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	8865	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.19
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4549^30	4646^32	4679^32
46	4662^31	4761^33	4794^34
44	4745^33	4846^34	4880^35
42	4799^33	4901^35	4936^36
40	4806^34	4910^35	4944^36
38	4808^34	4912^35	4946^36
36	4809^34	4913^35	4948^36
34	4809^34	4914^35	4949^36
32	4810^34	4915^35	4950^36
30	4810^34	4916^35	4952^36
20	4811^34	4921^35	4957^36
10	4800^33	4912^35	4950^36
0	4801^33	4916^35	4955^36
-10	4794^33	4913^35	4954^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4543^30	4641^31	4673^32
46	4655^31	4755^33	4788^34
44	4740^33	4841^34	4875^35
42	4794^33	4896^35	4931^36
40	4802^34	4905^35	4939^36
38	4804^34	4908^35	4942^36
36	4804^34	4909^35	4944^36
34	4805^34	4910^35	4945^36
32	4805^34	4911^35	4946^36
30	4806^34	4912^35	4947^36
20	4806^34	4916^35	4952^36
10	4715^32	4827^34	4864^35
0	4715^32	4830^34	4868^35
-10	4707^32	4826^34	4865^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4540^19	4646D29	4679D32
46	4619F19	4761D30	4794D33
44	4677F20	4846D30	4880D34
42	4714F21	4901D31	4936D34
40	4732F21	4910D31	4944D35
38	4746F21	4912D32	4946D35
36	4759F22	4913D32	4948D36
34	4772F22	4914D33	4949D36
32	4786F22	4915D33	4950D36
30	4800F23	4916D33	4952D36
20	4805^25	4921D36	4957D36
10	4797^27	4912D35	4950D36
0	4801D30	4916D35	4955D36
-10	4794D32	4913D35	4954D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4532F19	4641D29	4673D32
46	4610F19	4755D30	4788D33
44	4668F20	4841D30	4875D33
42	4706F21	4896^31	4931D34
40	4723F21	4905^31	4939D35
38	4737F21	4908D32	4942D35
36	4751F22	4909D32	4944D35
34	4764F22	4910D32	4945D36
32	4778F22	4911D33	4946D36
30	4792F23	4912D33	4947D36
20	4800^25	4916D36	4952D36
10	4715^28	4827D34	4864D35
0	4715D30	4830D34	4868D35
-10	4707D32	4826D34	4865D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4182F 0	4445F10	4539F14
26	4193F 1	4457F11	4552F14
24	4204F 1	4470F11	4565F14
22	4215F 1	4483F11	4579F15
20	4226F 2	4496F12	4593F15
18	4236F 2	4506F12	4606F16
16	4246F 2	4520F13	4620F16
14	4258F 3	4533F13	4633F16
12	4269F 3	4546F13	4646F17
10	4280F 4	4559F14	4660F17
0	4343F 5	4632F16	4736F19
-10	4403F 7	4704F18	4811F21
-20	4467F10	4778F20	4886F24
-30	4532F12	4852^23	4903^26

High QNH **+10** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-700**
Wing A/I ON **-700**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3832F 6	4091F15	4180F18
26	3843F 6	4101F16	4191F19
24	3853F 6	4113F16	4205F19
22	3864F 7	4124F16	4218F19
20	3874F 7	4136F17	4232F20
18	3884F 7	4148F17	4241F20
16	3894F 8	4160F17	4254F20
14	3904F 8	4172F18	4267F21
12	3915F 8	4184F18	4280F21
10	3926F 9	4196F18	4292F22
0	3984F10	4264F20	4364F23
-10	4041F12	4330F22	4434F25
-20	4101F14	4400F24	4511F27
-30	4158F16	4473F26	4593F29

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-470**
Wing A/I ON **-470**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	38	Length	8865	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.19
Rwy Rev.		Program						Rules	FAA		**13 Mar 19**

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MAZATLAN -MZT 26-E250M *DT H266*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H266**	**1038'**	
NOTAMS A1990/19						

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4341F26	4595F31	4668^32
46	87.7	4417F27	4677F32	4765F33
44	87.6	4464F28	4727F32	4816F34
42	87.4	4479F28	4745F33	4835F34
40	87.1	4496F28	4762F33	4852F34
38	86.9	4507F28	4774F33	4864F35
36	86.6	4518F29	4785F33	4876F35
34	86.3	4529F29	4797F33	4887F35
32	86.0	4540F29	4810F34	4900F35
30	85.7	4552F29	4822F34	4913F35
20	84.3	4612F30	4884F35	4941^36
10	82.8	4672F31	4897^35	4935^36
0	81.3	4737F32	4901^35	4941^36
-10	79.8	4777^33	4898^35	4939^36
-20	78.3	4765^33	4890^35	4933^36
-30	76.7	4751^33	4880^35	4924^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4262F13	4559F22	4661F25	4721
46	87.7	4335F13	4636F23	4740F26	4840
44	87.6	4380F14	4684F23	4788F26	4899
42	87.4	4397F14	4703F24	4808F27	4947
40	87.1	4414F14	4722F24	4827F27	4959
38	86.9	4426F15	4735F24	4840F27	4961
36	86.6	4438F15	4748F25	4854F28	4962
34	86.3	4451F15	4761F25	4868F28	4964
32	86.0	4463F16	4775F25	4883F28	4966
30	85.7	4476F16	4789F26	4897F29	4968
20	84.3	4541F18	4861F27	4940^31	4976
10	82.8	4606F20	4896^30	4935D33	4972
0	81.3	4679F21	4901D32	4941D35	4984
-10	79.8	4751F23	4898D34	4939D36	4988
-20	78.3	4763^26	4890D35	4933D36	4985
-30	76.7	4751D28	4880D35	4924D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4444F28	4647^32	4679^32
46	90.9	4522F29	4761^33	4794^34
44	90.8	4584F30	4847^34	4881^35
42	90.5	4627F31	4891F35	4936^36
40	90.2	4643F31	4908F35	4944^36
38	90.0	4655F31	4911^35	4946^36
36	89.7	4666F31	4913^35	4948^36
34	89.4	4678F31	4914^35	4949^36
32	89.1	4690F32	4915^35	4950^36
30	88.8	4702F32	4916^35	4952^36
20	87.3	4762F33	4920^35	4957^36
10	85.8	4799^33	4912^35	4950^36
0	84.2	4801^33	4916^35	4955^36
-10	82.7	4794^33	4913^35	4954^36
-20	81.1	4782^33	4905^35	4947^36
-30	79.5	4767^33	4895^35	4938^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4334F14	4641F24	4679^27	4721
46	90.9	4408F15	4720F24	4791^28	4840
44	90.8	4463F15	4779F25	4877^28	4899
42	90.5	4497F16	4818F26	4928F29	4947
40	90.2	4514F16	4836F26	4940^29	4959
38	90.0	4527F17	4851F26	4943^30	4961
36	89.7	4540F17	4865F27	4945^30	4962
34	89.4	4553F17	4879F27	4947^30	4964
32	89.1	4566F18	4894F27	4949^31	4966
30	88.8	4580F18	4909F28	4950^31	4968
20	87.3	4648F20	4918^30	4957D34	4976
10	85.8	4718F22	4912D32	4950D36	4972
0	84.2	4793^24	4916D35	4955D36	4984
-10	82.7	4790^26	4913D35	4954D36	4988
-20	81.1	4782D29	4905D35	4947D36	4985
-30	79.5	4767D31	4895D35	4938D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4444F28-28-38	4647^32-32-41	4679^32-32-41	4712^33-33-42
46	90.9	4522F29-29-39	4761^33-33-42	4794^34-34-43	4827^34-34-43
44	90.8	4584F30-30-40	4847^34-34-44	4881^35-35-44	4899C35-35-44
42	90.5	4627F31-31-40	4891F35-35-44	4936^36-36-45	4947C36-36-45
40	90.2	4643F31-31-41	4908F35-35-44	4944^36-36-45	4959C36-36-45
38	90.0	4655F31-31-41	4911^35-35-44	4946^36-36-45	4961C36-36-45
36	89.7	4666F31-31-41	4913^35-35-45	4948^36-36-45	4962C36-36-45
34	89.4	4678F31-31-41	4914^35-35-45	4949^36-36-45	4964C36-36-45
32	89.1	4690F32-32-41	4915^35-35-45	4950^36-36-45	4966C36-36-45
30	88.8	4702F32-32-41	4916^35-35-45	4952^36-36-45	4976F42-42-51
20	87.3	4762F33-33-42	4920^35-35-45	4957^36-36-45	4990C43-43-51
10	85.8	4799^33-33-43	4922F41-41-50	4986C42-42-51	4986C42-42-51
0	84.2	4801^33-33-43	4992F43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4794^33-33-43	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4841F40-40-49	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4905F41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	8038	Shift	**-827**	Clearway	0	Stopway	0	Slope	-0.19
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

Flaps **9**

OAT °C	-10T	+0	+10H
48	4444F28	4647^32	4679^32
46	4522F29	4761^33	4794^34
44	4584F30	4847^34	4881^35
42	4627F31	4891F35	4936^36
40	4643F31	4908F35	4944^36
38	4655F31	4911^35	4946^36
36	4666F31	4913^35	4948^36
34	4678F31	4914^35	4949^36
32	4690F32	4915^35	4950^36
30	4702F32	4916^35	4952^36
20	4762F33	4920^35	4957^36
10	4799^33	4912^35	4950^36
0	4801^33	4916^35	4955^36
-10	4794^33	4913^35	4954^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

Flaps **9**

OAT °C	-10T	+0	+10H
48	4434F28	4641^31	4673^32
46	4511F29	4755^33	4787^34
44	4573F30	4837F34	4875^35
42	4616F30	4879F35	4931^36
40	4631F31	4896F35	4939^36
38	4644F31	4908^35	4942^36
36	4655F31	4909^35	4943^36
34	4667F31	4910^35	4945^36
32	4679F31	4911^35	4946^36
30	4692F32	4912^35	4947^36
20	4752F33	4916^35	4952^36
10	4715^32	4827^34	4864^35
0	4715^32	4830^34	4868^35
-10	4707^32	4826^34	4865^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

Flaps **9**

OAT °C	-10T	+0	+10H
48	4334F14	4641F24	4679^27
46	4408F15	4720F24	4791^28
44	4463F15	4779F25	4877^28
42	4497F16	4818F26	4928F29
40	4514F16	4836F26	4940^29
38	4527F17	4851F26	4943^30
36	4540F17	4865F27	4945^30
34	4553F17	4879F27	4947^30
32	4566F18	4894F27	4949^31
30	4580F18	4909F28	4950^31
20	4648F20	4918^30	4957D34
10	4718F22	4912D32	4950D36
0	4793^24	4916D35	4955D36
-10	4790^26	4913D35	4954D36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

Flaps **9**

OAT °C	-10T	+0	+10H
48	4327F14	4632F24	4673^27
46	4401F15	4711F24	4785^27
44	4455F15	4770F25	4871^28
42	4489F16	4809F26	4918F29
40	4506F16	4827F26	4935^29
38	4519F17	4842F26	4939^29
36	4532F17	4856F27	4941^30
34	4545F17	4871F27	4943^30
32	4559F18	4885F27	4945^31
30	4572F18	4900F28	4946^31
20	4640F20	4913^30	4952D33
10	4678F22	4827D33	4864D35
0	4710^24	4830D34	4868D35
-10	4706^26	4826D34	4865D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

Flaps **9**

OAT °C	-10T	+0	+10H
28	2978F99	4246F 6	4340F 9
26	3177F99	4258F 6	4352F 9
24	3341F98	4270F 6	4365F10
22	3469F98	4281F 7	4378F10
20	3625F98	4294F 7	4391F10
18	3809F98	4306F 7	4403F11
16	3951F98	4317F 8	4416F11
14	4055F98	4330F 8	4429F11
12	4064F98	4342F 9	4442F12
10	4078F99	4355F 9	4455F12
0	4140F 1	4424F11	4527F14
-10	4197F 3	4493F13	4600F17
-20	4247F 4	4564F15	4677F19
-30		4639F18	4755F21

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

LEVEL 2 CONTAM

Flaps **22**

OAT °C	-10T	+0	+10H
28	3489F 1	3948F 9	4095F12
26	3509F 1	3962F10	4114F12
24	3529F 1	3977F10	4132F12
22	3548F 2	3996F10	4151F13
20	3570F 2	4008F10	4168F13
18	3579F 2	4021F11	4186F13
16	3590F 3	4039F11	4206F14
14	3601F 3	4057F11	4215F14
12	3617F 3	4079F12	4246F14
10	3631F 4	4096F12	4267F14
0	3709F 5	4200F13	4287^15
-10	3803F 7	4239^14	4284^15
-20	3905F 8	4232^14	4278^15
-30	3987F10	4222^14	4270^15

High QNH **+10** per .10"
Low QNH **-120** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	38	Length	8038	Shift	**-827**	Clearway	0	Stopway	0	Slope	-0.19
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H105**	**1038'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4534^30	4633^31	4666^32
46	87.7	4646^31	4747^33	4780^33
44	87.6	4727^32	4830^34	4865^35
42	87.4	4778^33	4882^35	4917^35
40	87.1	4785^33	4891^35	4925^36
38	86.9	4787^33	4893^35	4928^36
36	86.6	4788^33	4894^35	4929^36
34	86.3	4789^33	4895^35	4931^36
32	86.0	4789^33	4896^35	4932^36
30	85.7	4790^33	4898^35	4933^36
20	84.3	4791^33	4902^35	4939^36
10	82.8	4780^33	4894^35	4932^36
0	81.3	4781^33	4898^35	4938^36
-10	79.8	4775^33	4896^35	4937^36
-20	78.3	4763^33	4888^35	4931^36
-30	76.7	4748^33	4878^35	4922^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4534D27	4633D31	4666D32	4721
4646D27	4747D33	4780D34	4840
4727^28	4830D34	4865D35	4899
4777^28	4882D35	4917D36	4947
4785^28	4891D35	4925D36	4959
4787^29	4893D35	4928D36	4961
4788D29	4894D35	4929D36	4962
4789D30	4895D35	4931D36	4964
4789D30	4896D35	4932D36	4966
4790D30	4898D35	4933D36	4968
4791D33	4902D35	4939D36	4976
4780D33	4894D35	4932D36	4972
4781D33	4898D35	4938D36	4984
4775D33	4896D35	4937D36	4988
4763D33	4888D35	4931D36	4985
4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4547^30	4645^32	4677^32
46	90.9	4660^31	4759^33	4792^34
44	90.8	4743^33	4844^34	4878^35
42	90.5	4797^33	4899^35	4934^36
40	90.2	4804^34	4908^35	4942^36
38	90.0	4806^34	4910^35	4944^36
36	89.7	4807^34	4911^35	4946^36
34	89.4	4807^34	4912^35	4947^36
32	89.1	4808^34	4913^35	4948^36
30	88.8	4808^34	4914^35	4949^36
20	87.3	4809^34	4918^35	4955^36
10	85.8	4798^33	4910^35	4948^36
0	84.2	4799^33	4914^35	4953^36
-10	82.7	4792^33	4911^35	4952^36
-20	81.1	4779^33	4903^35	4945^36
-30	79.5	4765^33	4893^35	4936^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4547D29	4645D32	4677D32	4721
4660D30	4759D33	4792D34	4840
4743D30	4844D34	4878D35	4899
4797D31	4899D35	4934D36	4947
4804D31	4908D35	4942D36	4959
4806D32	4910D35	4944D36	4961
4807D32	4911D35	4946D36	4962
4807D32	4912D35	4947D36	4964
4808D33	4913D35	4948D36	4966
4808D33	4914D35	4949D36	4968
4809D34	4918D36	4955D36	4976
4798D34	4910D35	4948D36	4972
4799D33	4914D35	4953D36	4984
4792D33	4911D35	4952D36	4988
4779D33	4903D35	4945D36	4985
4765D33	4893D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4682^38-38-47	4755C39-39-48	4755C39-39-48	4755C39-39-48
46	90.9	4799^40-40-49	4879C41-41-50	4879C41-41-50	4879C41-41-50
44	90.8	4875^41-41-50	4945C42-42-51	4945C42-42-51	4945C42-42-51
42	90.5	4913^41-41-50	4962C42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4929^42-42-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	90.0	4938^42-42-51	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4948^42-42-51	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.4	4953^42-42-51	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4954^42-42-51	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4954^42-42-51	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4956^42-42-51	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4945^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4914^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" Engine A/I ON **-890**
Low QNH **-180** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	10499	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**23 Feb 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP — Flaps **9**

OAT °C	-10T	+0	+10H
48	4547^30	4645^32	4677^32
46	4660^31	4759^33	4792^34
44	4743^33	4844^34	4878^35
42	4797^33	4899^35	4934^36
40	4804^34	4908^35	4942^36
38	4806^34	4910^35	4944^36
36	4807^34	4911^35	4946^36
34	4807^34	4912^35	4947^36
32	4808^34	4913^35	4948^36
30	4808^34	4914^35	4949^36
20	4809^34	4918^35	4955^36
10	4798^33	4910^35	4948^36
0	4799^33	4914^35	4953^36
-10	4792^33	4911^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN — Flaps **9**

OAT °C	-10T	+0	+10H
48	4541^30	4639^31	4671^32
46	4654^31	4753^33	4786^34
44	4737^32	4839^34	4873^35
42	4792^33	4894^35	4929^36
40	4800^33	4902^35	4937^36
38	4802^34	4906^35	4940^36
36	4802^34	4907^35	4942^36
34	4803^34	4908^35	4943^36
32	4803^34	4909^35	4944^36
30	4803^34	4910^35	4945^36
20	4804^33	4913^35	4950^36
10	4713^32	4825^34	4862^35
0	4713^32	4828^34	4866^35
-10	4705^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

DRY — Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP — Flaps **9**

OAT °C	-10T	+0	+10H
48	4547D29	4645D32	4677D32
46	4660D30	4759D33	4792D34
44	4743D30	4844D34	4878D35
42	4797D31	4899D35	4934D36
40	4804D31	4908D35	4942D36
38	4806D32	4910D35	4944D36
36	4807D32	4911D35	4946D36
34	4807D32	4912D35	4947D36
32	4808D33	4913D35	4948D36
30	4808D33	4914D35	4949D36
20	4809D34	4918D36	4955D36
10	4798D34	4910D35	4948D36
0	4799D33	4914D35	4953D36
-10	4792D33	4911D35	4952D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN — Flaps **9**

OAT °C	-10T	+0	+10H
48	4541D29	4639D32	4671D32
46	4654D29	4753D33	4786D34
44	4737D30	4839D34	4873D35
42	4792D31	4894D35	4929D36
40	4800D31	4902D35	4937D36
38	4802D31	4906D35	4940D36
36	4802D32	4907D35	4942D36
34	4803D32	4908D35	4943D36
32	4803D33	4909D35	4944D36
30	4803D33	4910D35	4945D36
20	4804D34	4913D35	4950D36
10	4713D32	4825D34	4862D35
0	4713D32	4828D34	4866D35
-10	4705D32	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET — Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM — Flaps **9**

OAT °C	-10T	+0	+10H
28	4533F 9	4783^19	4854^23
26	4546F10	4794^20	4867^23
24	4558F10	4805^20	4879^23
22	4570F10	4816^21	4892^24
20	4584F11	4826^21	4905^24
18	4596F11	4837^21	4912^25
16	4608F12	4850^22	4913^25
14	4618F12	4861^22	4912^26
12	4633F12	4865^23	4910^26
10	4643F13	4866^23	4912^27
0	4713F15	4878^26	4925^29
-10	4742^17	4883^28	4933^32
-20	4737^20	4885^31	4937^35
-30	4731^23	4886^34	4932^36

High QNH **+10** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-810**
Wing A/I ON **-810**

LEVEL 2 CONTAM — Flaps **9**

OAT °C	-10T	+0	+10H
28	4235F14	4468F23	4553F26
26	4246F14	4481F23	4566F26
24	4258F14	4491F24	4579F27
22	4268F15	4503F24	4592F27
20	4278F15	4516F24	4604F27
18	4289F16	4528F25	4618F28
16	4299F16	4541F25	4631F28
14	4308F16	4554F25	4645F28
12	4318F17	4566F26	4658F29
10	4329F17	4579F26	4672F29
0	4389F19	4649F28	4745F31
-10	4444F21	4717F30	4818F33
-20	4503F23	4789F32	4891^35
-30	4562F25	4848^34	4911^35

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-540**
Wing A/I ON **-540**

LEVEL 3 CONTAM — Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	38	Length	10499	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**23 Feb 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H181**	**1038'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4188F23	4441F28	4525F29	4121F10	4413F20	4511F23	4721
46	87.7	4263F24	4519F29	4605F30	4191F11	4486F20	4588F23	4840
44	87.6	4308F25	4566F29	4655F31	4234F11	4532F21	4635F24	4899
42	87.4	4324F25	4582F30	4673F31	4249F11	4551F21	4654F24	4947
40	87.1	4340F25	4599F30	4690F32	4266F12	4568F21	4672F24	4959
38	86.9	4350F25	4611F30	4701F32	4277F12	4581F22	4685F25	4961
36	86.6	4360F26	4622F30	4713F32	4289F12	4594F22	4699F25	4962
34	86.3	4371F26	4634F31	4724F32	4301F13	4608F22	4712F25	4964
32	86.0	4382F26	4647F31	4737F32	4313F13	4621F23	4726F26	4966
30	85.7	4393F26	4659F31	4749F33	4325F13	4633F23	4740F26	4968
20	84.3	4450F27	4720F32	4799^33	4388F15	4703F25	4799D28	4976
10	82.8	4505F28	4763^33	4817^34	4451F17	4760^27	4817D30	4972
0	81.3	4567F29	4789^33	4844^34	4521F19	4789D29	4844D32	4984
-10	79.8	4627F30	4810^34	4864^34	4589F21	4810D31	4864D35	4988
-20	78.3	4668^31	4826^34	4880^35	4659F23	4826D33	4880D35	4985
-30	76.7	4681^31	4840^34	4895^35	4681D25	4840D35	4895D35	4983

High QNH **+40** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4285F25	4528^29	4576^30	4186F11	4491F21	4571^24	4721
46	90.9	4363F26	4620F31	4683^32	4259F12	4566F22	4672F25	4840
44	90.8	4422F27	4682F32	4743^33	4311F12	4623F22	4730F25	4899
42	90.5	4462F28	4721^32	4772^33	4344F13	4660F23	4760^26	4947
40	90.2	4475F28	4736^32	4787^33	4360F13	4678F23	4776^27	4959
38	90.0	4486F28	4740^32	4791^33	4373F14	4692F24	4782^27	4961
36	89.7	4497F28	4744^33	4795^33	4385F14	4705F24	4788^27	4962
34	89.4	4508F28	4749^33	4799^33	4398F14	4719F24	4795^28	4964
32	89.1	4520F29	4753^33	4804^34	4410F15	4733F25	4801^28	4966
30	88.8	4531F29	4758^33	4809^34	4423F15	4744^25	4808^29	4968
20	87.3	4591F30	4782^33	4834^34	4490F17	4777^27	4834D31	4976
10	85.8	4646^31	4796^33	4848^34	4556F19	4796D29	4848D33	4972
0	84.2	4670^31	4822^34	4874^35	4629F21	4822D32	4874D35	4984
-10	82.7	4688^31	4841^34	4894^35	4673^23	4841D34	4894D35	4988
-20	81.1	4701^32	4855^34	4908^35	4697^25	4855D35	4908D36	4985
-30	79.5	4712^32	4868^35	4921^35	4712D28	4868D35	4921D36	4983

High QNH **+40** per .10" Engine A/I ON **-760**
Low QNH **-160** per .10" Wing A/I ON **-760**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4285F25-25-35	4528^29-29-39	4576^30-30-40	4626^31-31-40
46	90.9	4363F26-26-36	4620F31-31-40	4683^32-32-41	4734^33-33-42
44	90.8	4422F27-27-37	4682F32-32-41	4743^33-33-42	4794^33-33-43
42	90.5	4462F28-28-38	4721^32-32-42	4772^33-33-42	4823^34-34-43
40	90.2	4475F28-28-38	4736^32-32-42	4787^33-33-43	4838^34-34-43
38	90.0	4486F28-28-38	4740^32-32-42	4791^33-33-43	4843^34-34-43
36	89.7	4497F28-28-38	4744^33-33-42	4795^33-33-43	4847^34-34-44
34	89.4	4508F28-28-39	4749^33-33-42	4799^33-33-43	4852^34-34-44
32	89.1	4520F29-29-39	4753^33-33-42	4804^34-34-43	4857^34-34-44
30	88.8	4531F29-29-39	4758^33-33-42	4809^34-34-43	4862^34-34-44
20	87.3	4591F30-30-40	4782^33-33-43	4834^34-34-43	4886^35-35-44
10	85.8	4646^31-31-41	4796^33-33-43	4848^34-34-44	4920^41-41-50
0	84.2	4670^31-31-41	4822^34-34-43	4895^41-41-50	4950^42-42-51
-10	82.7	4688^31-31-41	4863^40-40-50	4918^41-41-50	4974^42-42-51
-20	81.1	4701^32-32-41	4880^41-41-50	4935^42-42-51	4991^43-43-52
-30	79.5	4732F38-38-48	4896^41-41-50	4952^42-42-51	4996C43-43-52

High QNH **+40** per .10" Engine A/I ON **-740**
Low QNH **-160** per .10" Wing A/I ON **-740**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**21 Dec 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	4285F25	4528^29	4576^30
46	4363F26	4620F31	4683^32
44	4422F27	4682F32	4743^33
42	4462F28	4721^32	4772^33
40	4475F28	4736^32	4787^33
38	4486F28	4740^32	4791^33
36	4497F28	4744^33	4795^33
34	4508F28	4749^33	4799^33
32	4520F29	4753^33	4804^34
30	4531F29	4758^33	4809^34
20	4591F30	4782^33	4834^34
10	4646^31	4796^33	4848^34
0	4670^31	4822^34	4874^35
-10	4688^31	4841^34	4894^35

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-760**
Wing A/I ON **-760**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	4275F25	4522^29	4571^30
46	4353F26	4609F31	4677^32
44	4411F27	4671F31	4736^32
42	4451F27	4713F32	4766^33
40	4466F28	4729F32	4781^33
38	4478F28	4735^32	4786^33
36	4487F28	4739^32	4790^33
34	4498F28	4744^33	4794^33
32	4510F28	4748^33	4799^33
30	4521F29	4753^33	4804^34
20	4581F30	4777^33	4828^34
10	4577^30	4724^32	4776^33
0	4601^30	4750^33	4802^34
-10	4614^30	4763^33	4816^34

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	4186F11	4491F21	4571^24
46	4259F12	4566F22	4672F25
44	4311F12	4623F22	4730F25
42	4344F13	4660F23	4760^26
40	4360F13	4678F23	4776^27
38	4373F14	4692F24	4782^27
36	4385F14	4705F24	4788^27
34	4398F14	4719F24	4795^28
32	4410F15	4733F25	4801^28
30	4423F15	4744^25	4808^29
20	4490F17	4777^27	4834D31
10	4556F19	4796D29	4848D33
0	4629F21	4822D32	4874D35
-10	4673^23	4841D34	4894D35

High QNH **+40** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-760**
Wing A/I ON **-760**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	4179F11	4483F21	4565^24
46	4251F12	4557F22	4663F25
44	4303F12	4614F22	4721F25
42	4336F13	4652F23	4754^26
40	4353F13	4669F23	4770^26
38	4365F14	4683F24	4776^27
36	4378F14	4697F24	4783^27
34	4390F14	4711F24	4790^28
32	4403F15	4725F25	4796^28
30	4416F15	4739F25	4803^28
20	4483F17	4771^27	4828D30
10	4518F19	4724D29	4776D33
0	4582^21	4750D32	4802D34
-10	4605^23	4763D34	4816D34

High QNH **+40** per .10"
Low QNH **-150** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
28		4110F 3	4204F 6
26		4122F 3	4216F 7
24		4134F 4	4227F 7
22		4145F 4	4240F 7
20		4157F 4	4253F 8
18		4168F 5	4265F 8
16		4180F 5	4277F 9
14		4192F 6	4290F 9
12	2754F 0	4203F 6	4302F 9
10	3013F99	4215F 6	4315F10
0	4007F99	4282F 8	4386F12
-10	4067F 1	4349F10	4457F14
-20	4123F 2	4418F13	4529F16
-30	4183F 5	4491F15	4607F18

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-440**
Wing A/I ON **-440**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	Flaps 22 +0	Flaps 22 +10H
28	3185F 0	3775F 7	3940F10
26	3202F 0	3797F 7	3961F10
24	3221F 0	3819F 8	3980F10
22	3238F 1	3843F 8	3998F10
20	3256F 1	3863F 8	4018F11
18	3275F 1	3878F 8	4037F11
16	3295F 1	3896F 9	4055F11
14	3317F 2	3912F 9	4074F12
12	3336F 2	3929F 9	4094F12
10	3370F 2	3944F10	4094F12
0	3503F 3	4044F11	4214F14
-10	3618F 4	4140F13	4282^15
-20	3714F 6	4231^14	4277^15
-30		4221^14	4269^15

High QNH **+0** per .10"
Low QNH **-110** per .10"

Engine A/I ON **-670**
Wing A/I ON **-670**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	Flaps +0	Flaps +10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	38	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**21 Dec 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H285**	**1038'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4534^30	4633^31	4666^32
46	87.7	4646^31	4747^33	4780^33
44	87.6	4727^32	4830^34	4865^35
42	87.4	4778^33	4882^35	4917^35
40	87.1	4785^33	4891^35	4925^36
38	86.9	4787^33	4893^35	4928^36
36	86.6	4788^33	4894^35	4929^36
34	86.3	4789^33	4895^35	4931^36
32	86.0	4789^33	4896^35	4932^36
30	85.7	4790^33	4898^35	4933^36
20	84.3	4791^33	4902^35	4939^36
10	82.8	4780^33	4894^35	4932^36
0	81.3	4781^33	4898^35	4938^36
-10	79.8	4775^33	4896^35	4937^36
-20	78.3	4763^33	4888^35	4931^36
-30	76.7	4748^33	4878^35	4922^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4534D27	4633D31	4666D32	4721
4646D27	4747D33	4780D34	4840
4727^28	4830D34	4865D35	4899
4777^28	4882D35	4917D36	4947
4785^28	4891D35	4925D36	4959
4787^29	4893D35	4928D36	4961
4788D29	4894D35	4929D36	4962
4789D30	4895D35	4931D36	4964
4789D30	4896D35	4932D36	4966
4790D30	4898D35	4933D36	4968
4791D33	4902D35	4939D36	4976
4780D33	4894D35	4932D36	4972
4781D33	4898D35	4938D36	4984
4775D33	4896D35	4937D36	4988
4763D33	4888D35	4931D36	4985
4748D33	4878D35	4922D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4547^30	4645^32	4677^32
46	90.9	4660^31	4759^33	4792^34
44	90.8	4743^33	4844^34	4878^35
42	90.5	4797^33	4899^35	4934^36
40	90.2	4804^34	4908^35	4942^36
38	90.0	4806^34	4910^35	4944^36
36	89.7	4807^34	4911^35	4946^36
34	89.4	4807^34	4912^35	4947^36
32	89.1	4808^34	4913^35	4948^36
30	88.8	4808^34	4914^35	4949^36
20	87.3	4809^34	4918^35	4955^36
10	85.8	4798^33	4910^35	4948^36
0	84.2	4799^33	4914^35	4953^36
-10	82.7	4792^33	4911^35	4952^36
-20	81.1	4779^33	4903^35	4945^36
-30	79.5	4765^33	4893^35	4936^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4547D29	4645D32	4677D32	4721
4660D30	4759D33	4792D34	4840
4743D30	4844D34	4878D35	4899
4797D31	4899D35	4934D36	4947
4804D31	4908D35	4942D36	4959
4806D32	4910D35	4944D36	4961
4807D32	4911D35	4946D36	4962
4807D32	4912D35	4947D36	4964
4808D33	4913D35	4948D36	4966
4808D33	4914D35	4949D36	4968
4809D34	4918D36	4955D36	4976
4798D34	4910D35	4948D36	4972
4799D33	4914D35	4953D36	4984
4792D33	4911D35	4952D36	4988
4779D33	4903D35	4945D36	4985
4765D33	4893D35	4936D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4661^38-38-47	4755C39-39-48	4755C39-39-48	4755C39-39-48
46	90.9	4767^39-39-48	4879C41-41-50	4879C41-41-50	4879C41-41-50
44	90.8	4830^40-40-49	4945C42-42-51	4945C42-42-51	4945C42-42-51
42	90.5	4860^40-40-50	4962C42-42-51	4962C42-42-51	4962C42-42-51
40	90.2	4875^41-41-50	4974C42-42-51	4974C42-42-51	4974C42-42-51
38	90.0	4880^41-41-50	4975C42-42-51	4975C42-42-51	4975C42-42-51
36	89.7	4886^41-41-50	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.4	4891^41-41-50	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	89.1	4897^41-41-50	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	88.8	4903^41-41-50	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	87.3	4931^42-42-51	4990C43-43-51	4990C43-43-51	4990C43-43-51
10	85.8	4945^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4946^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4940^42-42-51	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4928^41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4914^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+40** per .10" — Engine A/I ON **-890**
Low QNH **-180** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	10499	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**23 Feb 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4547^30	4645^32	4677^32
46	4660^31	4759^33	4792^34
44	4743^33	4844^34	4878^35
42	4797^33	4899^35	4934^36
40	4804^34	4908^35	4942^36
38	4806^34	4910^35	4944^36
36	4807^34	4911^35	4946^36
34	4807^34	4912^35	4947^36
32	4808^34	4913^35	4948^36
30	4808^34	4914^35	4949^36
20	4809^34	4918^35	4955^36
10	4798^33	4910^35	4948^36
0	4799^33	4914^35	4953^36
-10	4792^33	4911^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4541^30	4639^31	4671^32
46	4654^31	4753^33	4786^34
44	4737^32	4839^34	4873^35
42	4792^33	4894^35	4929^36
40	4800^33	4902^35	4937^36
38	4802^34	4906^35	4940^36
36	4802^34	4907^35	4942^36
34	4803^34	4908^35	4943^36
32	4803^34	4909^35	4944^36
30	4803^34	4910^35	4945^36
20	4804^33	4913^35	4950^36
10	4713^32	4825^34	4862^35
0	4713^32	4828^34	4866^35
-10	4705^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4547D29	4645D32	4677D32
46	4660D30	4759D33	4792D34
44	4743D30	4844D34	4878D35
42	4797D31	4899D35	4934D36
40	4804D31	4908D35	4942D36
38	4806D32	4910D35	4944D36
36	4807D32	4911D35	4946D36
34	4807D32	4912D35	4947D36
32	4808D33	4913D35	4948D36
30	4808D33	4914D35	4949D36
20	4809D34	4918D36	4955D36
10	4798D34	4910D35	4948D36
0	4799D33	4914D35	4953D36
-10	4792D33	4911D35	4952D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4541D29	4639D32	4671D32
46	4654D29	4753D33	4786D34
44	4737D30	4839D34	4873D35
42	4792D31	4894D35	4929D36
40	4800D31	4902D35	4937D36
38	4802D31	4906D35	4940D36
36	4802D32	4907D35	4942D36
34	4803D32	4908D35	4943D36
32	4803D33	4909D35	4944D36
30	4803D33	4910D35	4945D36
20	4804D34	4913D35	4950D36
10	4713D32	4825D34	4862D35
0	4713D32	4828D34	4866D35
-10	4705D32	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4533F 9	4758^20	4834^23
26	4546F10	4769^20	4847^23
24	4558F10	4780^20	4860^24
22	4570F10	4792^21	4872^24
20	4584F11	4805^21	4885^24
18	4596F11	4816^21	4898^25
16	4608F12	4829^22	4911^25
14	4618F12	4841^22	4912^26
12	4633F12	4851^23	4910^26
10	4643F13	4863^23	4912^27
0	4704^15	4878^26	4925^29
-10	4742^17	4883^28	4933^32
-20	4737^20	4885^31	4937^35
-30	4731^23	4886^34	4932^36

High QNH **+10** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-810**
Wing A/I ON **-810**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4235F14	4468F23	4553F26
26	4246F14	4481F23	4566F26
24	4258F14	4491F24	4579F27
22	4268F15	4503F24	4592F27
20	4278F15	4516F24	4604F27
18	4289F16	4528F25	4618F28
16	4299F16	4541F25	4631F28
14	4308F16	4554F25	4645F28
12	4318F17	4566F26	4658F29
10	4329F17	4579F26	4671^29
0	4389F19	4649F28	4742^31
-10	4444F21	4716^30	4812^33
-20	4503F23	4783^32	4891^35
-30	4562F25	4848^34	4911^35

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-540**
Wing A/I ON **-540**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 38 Length 10499 Shift **0** Clearway 0 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **23 Feb 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1038'		**DT H001**	**1038'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
48	87.6	4162F23	4382^27	4435^28
46	87.7	4236F24	4475^28	4531^29
44	87.6	4281F24	4529^29	4584^30
42	87.4	4297F25	4546^29	4602^30
40	87.1	4313F25	4561^29	4618^30
38	86.9	4323F25	4568^29	4624^30
36	86.6	4333F25	4575^30	4630^31
34	86.3	4343F25	4581^30	4636^31
32	86.0	4354F26	4588^30	4644^31
30	85.7	4365F26	4594^30	4651^31
20	84.3	4421F27	4629^30	4684^31
10	82.8	4478F28	4655^31	4711^32
0	81.3	4527^29	4691^32	4748^32
-10	79.8	4556^29	4721^32	4777^33
-20	78.3	4582^30	4747^32	4803^33
-30	76.7	4606^30	4771^33	4828^34

ALT TO-1 - WET RWY

Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
4095F 9	4372^19	4435D22	4721
4165F10	4459F20	4529^23	4840
4208F10	4505F20	4580^23	4899
4225F11	4523F20	4598^24	4947
4241F11	4541F21	4615^24	4959
4251F11	4553F21	4623^24	4961
4262F12	4561^21	4630D25	4962
4274F12	4569^22	4636D25	4964
4286F12	4578^22	4644D26	4966
4298F13	4586^23	4651D26	4968
4361F14	4629D24	4684D28	4976
4423F16	4655D27	4711D30	4972
4492F18	4691D29	4748D32	4984
4542^20	4721D31	4777D34	4988
4578^22	4747D33	4803D34	4985
4606D25	4771D34	4828D35	4983

High QNH **+50** per .10" Engine A/I ON **-660**
Low QNH **-160** per .10" Wing A/I ON **-660**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
48	90.8	4257F25	4421^28	4473^28
46	90.9	4335F26	4518^29	4572^30
44	90.8	4393F26	4577^30	4630^31
42	90.5	4433F27	4605^30	4659^31
40	90.2	4447F27	4619^30	4673^31
38	90.0	4459F27	4626^30	4679^31
36	89.7	4470F28	4632^31	4685^31
34	89.4	4479F28	4638^31	4691^32
32	89.1	4486^28	4644^31	4698^32
30	88.8	4492^28	4650^31	4704^32
20	87.3	4524^29	4683^31	4737^32
10	85.8	4548^29	4706^32	4761^33
0	84.2	4582^30	4740^32	4795^33
-10	82.7	4609^30	4768^33	4823^34
-20	81.1	4632^30	4792^33	4847^34
-30	79.5	4654^31	4814^34	4869^35

TO-1 - WET RWY

Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
4162F11	4412^21	4473D24	4721
4231F11	4503^21	4572^25	4840
4283F12	4559^22	4630^25	4899
4316F12	4587^23	4659D26	4947
4332F13	4603^23	4673D26	4959
4345F13	4611^23	4679D27	4961
4357F13	4620^24	4685D27	4962
4369F14	4628^24	4691D28	4964
4382F14	4637^25	4698D28	4966
4395F15	4646^25	4704D28	4968
4461F16	4683D27	4737D30	4976
4513^18	4706D29	4761D32	4972
4557^20	4740D31	4795D34	4984
4597^22	4768D33	4823D35	4988
4632D25	4792D34	4847D35	4985
4654D27	4814D34	4869D35	4983

High QNH **+50** per .10" Engine A/I ON **-690**
Low QNH **-160** per .10" Wing A/I ON **-690**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	4257F25-25-35	4421^28-28-37	4473^28-28-38	4524^29-29-39
46	90.9	4335F26-26-36	4518^29-29-39	4572^30-30-40	4625^31-31-40
44	90.8	4393F26-26-37	4577^30-30-40	4630^31-31-40	4685^32-32-41
42	90.5	4433F27-27-38	4605^30-30-40	4659^31-31-41	4712^32-32-42
40	90.2	4447F27-27-38	4619^30-30-40	4673^31-31-41	4727^32-32-42
38	90.0	4459F27-27-38	4626^30-30-40	4679^31-31-41	4734^32-32-42
36	89.7	4470F28-28-38	4632^31-31-40	4685^31-31-41	4740^32-32-42
34	89.4	4479F28-28-38	4638^31-31-41	4691^32-32-41	4746^33-33-42
32	89.1	4486^28-28-38	4644^31-31-41	4698^32-32-41	4753^33-33-42
30	88.8	4492^28-28-38	4650^31-31-41	4704^32-32-41	4759^33-33-42
20	87.3	4524^29-29-39	4683^31-31-41	4737^32-32-42	4791^33-33-43
10	85.8	4548^29-29-39	4706^32-32-42	4761^33-33-42	4816^34-34-43
0	84.2	4582^30-30-40	4740^32-32-42	4795^33-33-43	4850^34-34-44
-10	82.7	4609^30-30-40	4768^33-33-42	4823^34-34-43	4879^35-35-44
-20	81.1	4632^30-30-40	4792^33-33-43	4847^34-34-44	4903^35-35-44
-30	79.5	4654^31-31-41	4814^34-34-43	4869^35-35-44	4925^36-36-45

High QNH **+50** per .10" Engine A/I ON **-690**
Low QNH **-160** per .10" Wing A/I ON **-690**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	38	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4257F25	4421^28	4473^28	4248F24	4415^27	4466^28			
46	4335F26	4518^29	4572^30	4325F25	4512^29	4564^30			
44	4393F26	4577^30	4630^31	4383F26	4570^30	4624^31			
42	4433F27	4605^30	4659^31	4422F27	4598^30	4651^31			
40	4447F27	4619^30	4673^31	4437F27	4613^30	4667^31			
38	4459F27	4626^30	4679^31	4449F27	4619^30	4673^31			
36	4470F28	4632^31	4685^31	4460F28	4626^30	4679^31			
34	4479F28	4638^31	4691^32	4471F28	4632^31	4686^32			
32	4486^28	4644^31	4698^32	4480F28	4639^31	4692^32			
30	4492^28	4650^31	4704^32	4486^28	4645^31	4699^32			
20	4524^29	4683^31	4737^32	4518^29	4677^31	4731^32			
10	4548^29	4706^32	4761^33	4487^28	4642^31	4695^32			
0	4582^30	4740^32	4795^33	4521^29	4676^32	4726^32			
-10	4609^30	4768^33	4823^34	4543^29	4699^32	4752^33			
	High QNH +50 per .10" Low QNH -160 per .10"			High QNH +50 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -690 Wing A/I ON -690			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4162F11	4412^21	4473D24	4155F11	4405^21	4466D24			
46	4231F11	4503^21	4572^25	4226F11	4496^21	4564D24			
44	4283F12	4559^22	4630^25	4276F12	4552^22	4623^25			
42	4316F12	4587^23	4659D26	4308F12	4581^23	4651D26			
40	4332F13	4603^23	4673D26	4325F13	4597^23	4667D26			
38	4345F13	4611^23	4679D27	4337F13	4606^23	4673D27			
36	4357F13	4620^24	4685D27	4350F13	4614^24	4679D27			
34	4369F14	4628^24	4691D28	4362F14	4622^24	4686D27			
32	4382F14	4637^25	4698D28	4375F14	4631^24	4692D28			
30	4395F15	4646^25	4704D28	4388F14	4640^25	4699D28			
20	4461F16	4683D27	4737D30	4454F16	4677D27	4731D30			
10	4513^18	4706D29	4761D32	4458^18	4642D29	4695D32			
0	4557^20	4740D31	4795D34	4503^20	4676D31	4726D33			
-10	4597^22	4768D33	4823D35	4537^23	4699D33	4752D34			
	High QNH +50 per .10" Low QNH -160 per .10"			High QNH +50 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -690 Wing A/I ON -690			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4085F 2	4179F 6	3129F99	3740F 7	3919F 9			
26		4098F 3	4192F 6	3146F 0	3760F 7	3936F 9			
24		4109F 3	4204F 6	3164F 0	3781F 7	3951F10			
22		4121F 3	4216F 7	3180F 0	3801F 7	3966F10			
20		4133F 4	4227F 7	3200F 0	3825F 8	3983F10			
18		4143F 4	4240F 7	3216F 1	3847F 8	4004F11			
16		4155F 5	4252F 8	3239F 1	3864F 8	4022F11			
14		4166F 5	4264F 8	3260F 1	3884F 8	4043F11			
12		4178F 5	4277F 9	3278F 1	3901F 9	4061F11			
10		4190F 6	4290F 9	3309F 2	3916F 9	4061F11			
0	3943F98	4257F 8	4360F11	3443F 3	4008F11	4179F13			
-10	4037F 0	4323F10	4430F13	3590F 4	4107F12	4282F15			
-20	4097F 2	4392F12	4504F16	3674F 5	4212F14	4277^15			
-30	4153F 4	4464F14	4580F18		4221^14	4271D15			
	High QNH +80 per .10" Low QNH -60 per .10"			High QNH +10 per .10" Low QNH -100 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -440 Wing A/I ON -440			Engine A/I ON -600 Wing A/I ON -600			Engine A/I ON Wing A/I ON		

Elevation	38	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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MEXICALI **-MXL** **10** ***DT H107***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1074'		**DT H107**	**1074'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4413F27	4627^31	4660^32	4336F15	4624^24	4660D28	4714
46	87.7	4491F28	4740^33	4774^33	4409F16	4709F25	4773^28	4833
44	87.6	4537F29	4796F34	4861^35	4455F16	4758F25	4858^28	4895
42	87.4	4556F29	4817F34	4906F35	4475F16	4780F26	4885F29	4946
40	87.2	4574F30	4836F34	4924^36	4493F17	4799F26	4906F29	4959
38	86.9	4585F30	4847F34	4928^36	4506F17	4813F26	4919F29	4961
36	86.6	4597F30	4859F34	4930^36	4518F17	4826F27	4927^30	4962
34	86.3	4608F30	4872F35	4930^36	4531F18	4840F27	4929^30	4964
32	86.1	4620F30	4882F35	4932^36	4544F18	4854F27	4931^31	4966
30	85.8	4632F31	4895F35	4933^36	4557F18	4869F28	4933^31	4968
20	84.4	4691F32	4902^35	4939^36	4622F20	4901^30	4939D33	4976
10	82.9	4750F33	4894^35	4932^36	4689F22	4894D32	4932D36	4972
0	81.4	4781^33	4898^35	4938^36	4762F24	4898D35	4938D36	4984
-10	79.9	4775^33	4896^35	4937^36	4772^26	4896D35	4937D36	4987
-20	78.4	4763^33	4888^35	4930^36	4763D29	4888D35	4930D36	4985
-30	76.8	4749^33	4878^35	4922^35	4749D31	4878D35	4922D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4514F29	4638^31	4671^32	4412F17	4637^26	4671D30	4714
46	90.9	4598F30	4752^33	4785^34	4487F17	4749^27	4785D30	4833
44	90.8	4661F31	4839^34	4874^35	4543F18	4835^27	4873^31	4895
42	90.5	4705F32	4897^35	4932^36	4580F18	4892^28	4931^31	4946
40	90.3	4722F32	4906^35	4941^36	4599F19	4902^28	4941^32	4959
38	90.0	4735F32	4910^35	4944^36	4611F19	4905^29	4944D32	4961
36	89.7	4746F33	4911^35	4946^36	4624F19	4908^29	4946D33	4962
34	89.5	4757F33	4912^35	4947^36	4638F20	4910^30	4947D33	4964
32	89.2	4769F33	4913^35	4948^36	4652F20	4911^30	4948D34	4966
30	88.9	4781F33	4914^35	4950^36	4666F20	4913^31	4950D34	4968
20	87.4	4809^34	4919^35	4955^36	4735F22	4919D33	4955D36	4976
10	85.9	4798^33	4910^35	4948^36	4790^24	4910D35	4948D36	4972
0	84.3	4798^33	4914^35	4953^36	4795^27	4914D35	4953D36	4984
-10	82.8	4792^33	4911^35	4952^36	4792D29	4911D35	4952D36	4987
-20	81.2	4779^33	4903^35	4945^36	4779D32	4903D35	4945D36	4985
-30	79.6	4765^33	4893^35	4936^36	4765D33	4893D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4514F29-29-39	4638^31-31-41	4684F38-38-47	4748C39-39-48
46	90.9	4598F30-30-40	4752^33-33-42	4785^34-34-43	4855F41-41-49
44	90.8	4661F31-31-41	4839^34-34-43	4874^35-35-44	4921F41-41-50
42	90.5	4705F32-32-42	4897^35-35-44	4932^36-36-45	4960C42-42-51
40	90.3	4722F32-32-42	4906^35-35-44	4941^36-36-45	4974C42-42-51
38	90.0	4735F32-32-42	4910^35-35-44	4944^36-36-45	4975C42-42-51
36	89.7	4746F33-33-42	4911^35-35-44	4946^36-36-45	4976C42-42-51
34	89.5	4757F33-33-42	4912^35-35-45	4947^36-36-45	4977C42-42-51
32	89.2	4769F33-33-42	4913^35-35-45	4949F42-42-51	4979C42-42-51
30	88.9	4781F33-33-43	4914^35-35-45	4962F42-42-51	4981C42-42-51
20	87.4	4809^34-34-43	4937F42-42-51	4990C43-43-51	4990C43-43-51
10	85.9	4798^33-33-43	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.3	4799F39-39-49	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.8	4860F40-40-50	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.2	4923F41-41-51	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	74	Length	8533	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4514F29	4638^31	4671^32
46	4598F30	4752^33	4785^34
44	4661F31	4839^34	4874^35
42	4705F32	4897^35	4932^36
40	4722F32	4906^35	4941^36
38	4735F32	4910^35	4944^36
36	4746F33	4911^35	4946^36
34	4757F33	4912^35	4947^36
32	4769F33	4913^35	4948^36
30	4781F33	4914^35	4950^36
20	4809^34	4919^35	4955^36
10	4798^33	4910^35	4948^36
0	4798^33	4914^35	4953^36
-10	4792^33	4911^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4504F29	4632^31	4665^32
46	4587F30	4746^33	4779^33
44	4650F31	4834^34	4868^35
42	4693F32	4892^35	4927^36
40	4711F32	4902^35	4935^36
38	4724F32	4905^35	4940^36
36	4735F32	4907^35	4942^36
34	4747F33	4908^35	4943^36
32	4758F33	4909^35	4944^36
30	4770F33	4910^35	4945^36
20	4804^33	4913^35	4950^36
10	4713^32	4825^34	4862^35
0	4713^32	4828^34	4866^35
-10	4706^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4412F17	4637^26	4671D30
46	4487F17	4749^27	4785D30
44	4543F18	4835^27	4873^31
42	4580F18	4892^28	4931^31
40	4599F19	4902^28	4941^32
38	4611F19	4905^29	4944D32
36	4624F19	4908^29	4946D33
34	4638F20	4910^30	4947D33
32	4652F20	4911^30	4948D34
30	4666F20	4913^31	4950D34
20	4735F22	4919D33	4955D36
10	4790^24	4910D35	4948D36
0	4795^27	4914D35	4953D36
-10	4792D29	4911D35	4952D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4404F16	4632^26	4665D30
46	4479F17	4743^27	4779D30
44	4535F18	4830^27	4868^31
42	4572F18	4887^28	4926^31
40	4591F19	4897^28	4935D32
38	4605F19	4901^29	4940D32
36	4616F19	4903^29	4942D33
34	4630F20	4905^29	4943D33
32	4644F20	4906^30	4944D33
30	4658F20	4908^30	4945D34
20	4727F22	4913D33	4950D36
10	4708^24	4825D34	4862D35
0	4712^27	4828D34	4866D35
-10	4706D29	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4064F98	4322F 8	4417F12
26	4073F99	4335F 9	4430F12
24	4084F99	4347F 9	4443F12
22	4094F99	4359F 9	4455F13
20	4106F 0	4372F10	4468F13
18	4115F 0	4384F10	4482F14
16	4125F 0	4397F11	4495F14
14	4136F 1	4409F11	4508F14
12	4146F 1	4421F11	4521F15
10	4157F 2	4434F12	4534F15
0	4216F 3	4504F14	4609F17
-10	4277F 5	4575F16	4683F19
-20	4338F 8	4648F18	4758F22
-30	4401F10	4722F21	4837F24

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3639F 3	4057F11	4221F14
26	3651F 4	4076F12	4241F14
24	3664F 4	4092F12	4259F14
22	3677F 4	3944F10	4279F15
20	3688F 4	4127F12	4286^15
18	3700F 5	4149F13	4286^15
16	3713F 5	4167F13	4285^15
14	3726F 5	4186F13	4282^15
12	3739F 6	4207F14	4279^15
10	3757F 6	4227F14	4279^15
0	3846F 7	4242^14	4285^15
-10	3916F 9	4238^14	4283^15
-20	4009F11	4231^14	4277^15
-30	4080^12	4221^14	4269^15

High QNH **+0** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	74	Length	8533	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.01
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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MEXICALI **-MXL** **28** ***LT H100***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1074'		**LT H100**	**1074'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4410F27	4627^31	4660^32	4334F15	4624^24	4660D28	4714
46	87.7	4488F28	4740^33	4774^33	4407F16	4706F25	4772^28	4833
44	87.6	4536F29	4793F33	4860^35	4453F16	4756F25	4857^28	4895
42	87.4	4554F29	4814F34	4903F35	4473F16	4777F26	4883F29	4946
40	87.2	4571F30	4833F34	4922F36	4491F17	4797F26	4903F29	4959
38	86.9	4583F30	4844F34	4928^36	4504F17	4810F26	4917F29	4961
36	86.6	4594F30	4856F34	4929^36	4516F17	4824F27	4927^30	4962
34	86.3	4605F30	4868F35	4930^36	4529F18	4838F27	4929^30	4964
32	86.1	4617F30	4879F35	4932^36	4542F18	4852F27	4931^31	4966
30	85.8	4629F31	4892F35	4933^36	4555F18	4866F28	4933^31	4968
20	84.4	4688F32	4902^35	4938^36	4620F20	4900^30	4938D33	4976
10	82.9	4747F33	4894^35	4932^36	4687F22	4894D32	4932D36	4972
0	81.4	4781^33	4898^35	4938^36	4759F24	4898D35	4938D36	4984
-10	79.9	4775^33	4896^35	4937^36	4772^26	4896D35	4937D36	4987
-20	78.4	4763^33	4888^35	4930^36	4763D29	4888D35	4930D36	4985
-30	76.8	4749^33	4878^35	4922^35	4749D31	4878D35	4922D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4511F29	4638^31	4671^32	4410F17	4637^26	4671D30	4714
46	90.9	4595F30	4752^33	4785^34	4485F17	4749^27	4785D30	4833
44	90.8	4658F31	4839^34	4873^35	4541F18	4835^27	4873^31	4895
42	90.5	4702F32	4897^35	4931^36	4578F18	4892^28	4930^31	4946
40	90.3	4719F32	4906^35	4941^36	4597F19	4902^28	4940^32	4959
38	90.0	4732F32	4909^35	4944^36	4609F19	4905^29	4944D32	4961
36	89.7	4743F32	4911^35	4946^36	4622F19	4907^29	4946D33	4962
34	89.5	4754F33	4912^35	4947^36	4636F20	4909^30	4947D33	4964
32	89.2	4766F33	4913^35	4948^36	4650F20	4911^30	4948D34	4966
30	88.9	4778F33	4914^35	4949^36	4663F20	4912^31	4949D34	4968
20	87.4	4809^34	4918^35	4955^36	4733F22	4918D33	4955D36	4976
10	85.9	4798^33	4910^35	4948^36	4790^24	4910D35	4948D36	4972
0	84.3	4798^33	4914^35	4953^36	4795^27	4914D35	4953D36	4984
-10	82.8	4792^33	4911^35	4952^36	4792D29	4911D35	4952D36	4987
-20	81.2	4779^33	4903^35	4945^36	4779D32	4903D35	4945D36	4985
-30	79.6	4764^33	4893^35	4936^36	4764D33	4893D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-860**
Low QNH **-170** per .10" Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4511F29-29-39	4638^31-31-41	4681F38-38-47	4748C39-39-48
46	90.9	4595F30-30-40	4752^33-33-42	4785^34-34-43	4852F40-40-49
44	90.8	4658F31-31-41	4839^34-34-43	4873^35-35-44	4918F41-41-50
42	90.5	4702F32-32-41	4897^35-35-44	4931^36-36-45	4960C42-42-51
40	90.3	4719F32-32-42	4906^35-35-44	4941^36-36-45	4974C42-42-51
38	90.0	4732F32-32-42	4909^35-35-44	4944^36-36-45	4975C42-42-51
36	89.7	4743F32-32-42	4911^35-35-44	4946^36-36-45	4976C42-42-51
34	89.5	4754F33-33-42	4912^35-35-45	4947^36-36-45	4977C42-42-51
32	89.2	4766F33-33-42	4913^35-35-45	4948^36-36-45	4979C42-42-51
30	88.9	4778F33-33-43	4914^35-35-45	4959F42-42-51	4981C42-42-51
20	87.4	4809^34-34-43	4934F42-42-51	4990C43-43-51	4990C43-43-51
10	85.9	4798^33-33-43	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.3	4798^33-33-43	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.8	4856F40-40-50	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.2	4920F41-41-50	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4913^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	74	Length	8533	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.01
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4511F29	4638^31	4671^32
46	4595F30	4752^33	4785^34
44	4658F31	4839^34	4873^35
42	4702F32	4897^35	4931^36
40	4719F32	4906^35	4941^36
38	4732F32	4909^35	4944^36
36	4743F32	4911^35	4946^36
34	4754F33	4912^35	4947^36
32	4766F33	4913^35	4948^36
30	4778F33	4914^35	4949^36
20	4809^34	4918^35	4955^36
10	4798^33	4910^35	4948^36
0	4798^33	4914^35	4953^36
-10	4792^33	4911^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4501F29	4632^31	4665^32
46	4584F30	4746^33	4779^33
44	4647F31	4834^34	4868^35
42	4690F32	4892^35	4926^36
40	4708F32	4901^35	4936^36
38	4721F32	4905^35	4940^36
36	4732F32	4907^35	4942^36
34	4744F33	4908^35	4943^36
32	4755F33	4909^35	4944^36
30	4767F33	4910^35	4945^36
20	4804^33	4913^35	4950^36
10	4713^32	4825^34	4862^35
0	4713^32	4828^34	4866^35
-10	4705^32	4824^34	4863^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4410F17	4637^26	4671D30
46	4485F17	4749^27	4785D30
44	4541F18	4835^27	4873^31
42	4578F18	4892^28	4930^31
40	4597F19	4902^28	4940^32
38	4609F19	4905^29	4944D32
36	4622F19	4907^29	4946D33
34	4636F20	4909^30	4947D33
32	4650F20	4911^30	4948D34
30	4663F20	4912^31	4949D34
20	4733F22	4918D33	4955D36
10	4790^24	4910D35	4948D36
0	4795^27	4914D35	4953D36
-10	4792D29	4911D35	4952D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4402F16	4631^26	4665D30
46	4477F17	4743^27	4779D30
44	4533F18	4830^27	4868^31
42	4570F18	4887^28	4925^31
40	4589F19	4897^28	4936^32
38	4603F19	4901^29	4940D32
36	4614F19	4903^29	4942D33
34	4628F20	4905^29	4943D33
32	4642F20	4906^30	4944D33
30	4656F20	4908^30	4945D34
20	4725F22	4913D33	4950D36
10	4708^24	4825D34	4862D35
0	4712^27	4828D34	4866D35
-10	4705D29	4824D34	4863D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4062F98	4321F 8	4415F12
26	4072F99	4333F 9	4428F12
24	4083F99	4345F 9	4442F12
22	4093F99	4358F10	4454F13
20	4104F 0	4371F10	4466F13
18	4114F 0	4383F10	4479F14
16	4123F 0	4395F11	4493F14
14	4134F 1	4407F11	4506F14
12	4144F 1	4420F11	4519F15
10	4155F 2	4432F12	4532F15
0	4215F 3	4503F14	4607F17
-10	4275F 6	4573F16	4681F20
-20	4334F 8	4646F18	4756F22
-30	4399F10	4720F21	4835F24

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3638F 3	4058F11	4222F14
26	3650F 4	4075F12	4241F14
24	3662F 4	4093F12	4260F14
22	3675F 4	4111F12	4280F15
20	3685F 4	4131F13	4286^15
18	3698F 5	4147F13	4286^15
16	3711F 5	4168F13	4285^15
14	3724F 5	4188F13	4282^15
12	3740F 6	4208F14	4279^15
10	3740F 6	4229F14	4279^15
0	3843F 7	4241^14	4285^15
-10	3911F 9	4238^14	4282^15
-20	4008F11	4232^14	4277^15
-30	4080^12	4220^14	4269^15

High QNH **+0** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	74	Length	8533	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.01
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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MEXICO CITY -MEX 05L *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.5 MEX	**D6.2 IMWX**	***LT SLM**	**8316'**	**STD**

*IF SLM OTS THEN LT MEX HOLD NOTAMS A2299/19

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
34	89.1	3920^21	4000^22	4026^23
32	89.4	3997^22	4077^23	4104^24
30	89.7	4077^23	4158^24	4185^25
28	89.9	4158^24	4239^26	4266^26
26	90.1	4238^25	4321^27	4348^27
24	90.4	4319^27	4403^28	4430^29
22	90.6	4400^28	4484^29	4512^30
20	90.9	4438^28	4522^30	4550^30
18	90.6	4453^29	4538^30	4566^31
16	90.3	4459^29	4544^30	4573^31
14	90.0	4459^29	4545^30	4574^31
10	89.4	4458^29	4546^30	4575^31
0	87.8	4456^29	4546^30	4576^31
-10	86.2	4439^28	4532^30	4563^30
-20	84.5	4432^28	4528^30	4560^30
-30	82.8	4418^28	4517^30	4550^30

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
34	89.1	3920D21	4000D22	4026D23	4080
32	89.4	3997D22	4077D23	4104D24	4159
30	89.7	4077D23	4158D25	4185D25	4239
28	89.9	4158D24	4239D26	4266D26	4322
26	90.1	4238D24	4321D27	4348D28	4404
24	90.4	4319D24	4403D28	4430D29	4485
22	90.6	4400D25	4484D29	4512D30	4567
20	90.9	4438D25	4522D30	4550D30	4611
18	90.6	4453D26	4538D30	4566D31	4621
16	90.3	4459D26	4544D30	4573D31	4631
14	90.0	4459D27	4545D30	4574D31	4633
10	89.4	4458D28	4546D30	4575D31	4635
0	87.8	4456D29	4546D30	4576D31	4638
-10	86.2	4439D28	4532D30	4563D31	4628
-20	84.5	4432D28	4528D30	4560D31	4630
-30	82.8	4418D28	4517D30	4550D30	4623

High QNH **+90** per .10" Engine A/I ON **-5520**
Low QNH **-170** per .10" Wing A/I ON **-5520**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
34	92.5	3930^21	4008^22	4035^23
32	92.8	4007^22	4086^23	4112^24
30	93.2	4087^23	4167^25	4194^25
28	93.6	4168^24	4249^26	4276^26
26	94.0	4250^26	4331^27	4358^28
24	94.3	4331^27	4413^28	4441^29
22	94.3	4413^28	4496^29	4523^30
20	94.3	4451^29	4535^30	4563^31
18	94.0	4469^29	4553^30	4581^31
16	93.7	4476^29	4560^30	4588^31
14	93.4	4476^29	4561^30	4589^31
10	92.8	4476^29	4562^30	4590^31
0	91.1	4473^29	4562^30	4591^31
-10	89.4	4456^29	4547^30	4578^31
-20	87.7	4449^28	4543^30	4574^31
-30	86.0	4434^28	4531^30	4564^31

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
34	92.5	3930D21	4008D22	4035D23	4080
32	92.8	4007D22	4086D24	4112D24	4159
30	93.2	4087D23	4167D25	4194D25	4239
28	93.6	4168D25	4249D26	4276D26	4322
26	94.0	4250D26	4331D27	4358D28	4404
24	94.3	4331D26	4413D28	4441D29	4485
22	94.3	4413D27	4496D30	4523D30	4567
20	94.3	4451D28	4535D30	4563D31	4611
18	94.0	4469D28	4553D30	4581D31	4621
16	93.7	4476D29	4560D31	4588D31	4631
14	93.4	4476D29	4561D31	4589D31	4633
10	92.8	4476D29	4562D31	4590D31	4635
0	91.1	4473D29	4562D31	4591D31	4638
-10	89.4	4456D29	4547D30	4578D31	4628
-20	87.7	4449D29	4543D30	4574D31	4630
-30	86.0	4434D28	4531D30	4564D31	4623

High QNH **+100** per .10" Engine A/I ON **-5590**
Low QNH **-170** per .10" Wing A/I ON **-5590**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
34	92.5	4039^28-28-37	4125^30-30-38	4140C30-30-39	4140C30-30-39
32	92.8	4105^29-29-38	4205^31-31-40	4219C31-31-40	4219C31-31-40
30	93.2	4171^30-30-39	4288^32-32-41	4298C33-33-41	4298C33-33-41
28	93.6	4238^31-31-40	4371^34-34-42	4380C34-34-42	4380C34-34-42
26	94.0	4304^32-32-41	4443^35-35-43	4462C35-35-44	4462C35-35-44
24	94.3	4372^33-33-42	4513^36-36-44	4544C36-36-45	4544C36-36-45
22	94.3	4441^34-34-43	4585^37-37-46	4627C38-38-46	4627C38-38-46
20	94.3	4494^35-35-44	4640^38-38-46	4681C38-38-47	4681C38-38-47
18	94.0	4521^35-35-45	4666^38-38-47	4687C38-38-47	4687C38-38-47
16	93.7	4537^36-36-45	4680^38-38-47	4693C38-38-47	4693C38-38-47
14	93.4	4546^36-36-45	4691^38-38-47	4696C39-39-47	4696C39-39-47
10	92.8	4561^36-36-45	4696^38-38-47	4699C39-39-47	4699C39-39-47
0	91.1	4602^37-37-46	4696^38-38-47	4705C39-39-47	4705C39-39-47
-10	89.4	4594^37-37-46	4681^38-38-47	4695C38-38-47	4695C38-38-47
-20	87.7	4587^37-37-46	4677^38-38-47	4701C39-39-47	4701C39-39-47
-30	86.0	4572^36-36-45	4665^38-38-47	4693C38-38-47	4693C38-38-47

High QNH **+100** per .10" Engine A/I ON **-5730**
Low QNH **-170** per .10" Wing A/I ON **-5730**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 7316 Length 11342 Shift **0** Clearway 0 Stopway 873 Slope +0.02
Rwy Rev. Program Rules FAA **26 Apr 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3930^21	4008^22	4035^23	3925^21	4003^22	4029^23			
32	4007^22	4086^23	4112^24	4002^22	4081^23	4107^24			
30	4087^23	4167^25	4194^25	4083^23	4163^25	4189^25			
28	4168^24	4249^26	4276^26	4164^24	4245^26	4271^26			
26	4250^26	4331^27	4358^28	4246^26	4327^27	4354^28			
24	4331^27	4413^28	4441^29	4328^27	4410^28	4438^29			
22	4413^28	4496^29	4523^30	4410^28	4493^29	4521^30			
20	4451^29	4535^30	4563^31	4448^28	4533^30	4560^30			
18	4469^29	4553^30	4581^31	4466^29	4550^30	4578^31			
16	4476^29	4560^30	4588^31	4473^29	4557^30	4585^31			
14	4476^29	4561^30	4589^31	4473^29	4558^30	4586^31			
10	4476^29	4562^30	4590^31	3919^21	4001^22	4029^23			
0	4473^29	4562^30	4591^31	4369^27	4456^29	4485^29			
-10	4456^29	4547^30	4578^31	4373^27	4463^29	4493^29			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-5590** Wing A/I ON **-5590**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3930D21	4008D22	4035D23	3925D21	4003D22	4029D23			
32	4007D22	4086D24	4112D24	4002D22	4081D23	4107D24			
30	4087D23	4167D25	4194D25	4083D23	4163D25	4189D25			
28	4168D25	4249D26	4276D26	4164D24	4245D26	4271D26			
26	4250D26	4331D27	4358D28	4246D26	4327D27	4354D28			
24	4331D26	4413D28	4441D29	4328D26	4410D28	4438D29			
22	4413D27	4496D30	4523D30	4410D27	4493D30	4521D30			
20	4451D28	4535D30	4563D31	4448D27	4533D30	4560D31			
18	4469D28	4553D30	4581D31	4466D28	4550D30	4578D31			
16	4476D29	4560D31	4588D31	4473D29	4557D30	4585D31			
14	4476D29	4561D31	4589D31	4473D29	4558D30	4586D31			
10	4476D29	4562D31	4590D31	3919D21	4001D22	4029D23			
0	4473D29	4562D31	4591D31	4369D27	4456D29	4485D29			
-10	4456D29	4547D30	4578D31	4373D27	4463D29	4493D30			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-5590** Wing A/I ON **-5590**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3946^ 4	4129^13	4192^15	3702F 8	3916F15	3988^17			
26	4008^ 4	4193^13	4257^16	3763F 8	3978F16	4051^18			
24	4069^ 5	4257^13	4322^16	3826F 9	4043F16	4117^19			
22	4133F 5	4322^14	4389^17	3888F 9	4110F17	4184^19			
20	4180^ 6	4373^14	4440^17	3942F10	4167F17	4241^20			
18	4204^ 6	4399^15	4467^18	3976F11	4206F18	4279^21			
16	4220^ 7	4416^16	4485^19	3995F11	4227^19	4300^21			
14	4231^ 7	4428^16	4497^19	4007F11	4238^19	4312^22			
12	4241^ 7	4440^16	4509^19	4018F12	4249^20	4324^22			
10	4252^ 8	4451^17	4520^20	4030F12	4261^20	4337^22			
0	4304^10	4506^19	4560^22	4087F14	4321^22	4398^24			
-10	4349^12	4518^21	4555^25	4141F16	4376^24	4457^26			
-20	4402^14	4521^24	4560^27	4202F18	4439^26	4520^28			
-30	4400^17	4518^27	4559^30	4263^20	4489^28	4537^30			
	High QNH **+100** per .10" Low QNH **-160** per .10"			High QNH **+100** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4570** Wing A/I ON **-4570**			Engine A/I ON **-2770** Wing A/I ON **-2770**			Engine A/I ON Wing A/I ON		

Elevation 7316 Length 11342 Shift **0** Clearway 0 Stopway 873 Slope +0.02

Rwy Rev. Program Rules FAA **26 Apr 19**

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MEXICO CITY -MEX 05R *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.5 MEX	**D6.2 IMWX**	***LT SLM**	**8316'**	**STD**

*IF SLM OTS THEN LT MEX HOLD NOTAMS A3655/20

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
34	89.1	3920^21	3999^22	4026^23
32	89.4	3997^22	4077^23	4104^24
30	89.7	4077^23	4157^24	4185^25
28	89.9	4158^24	4239^26	4266^26
26	90.1	4238^25	4320^27	4348^27
24	90.4	4318^27	4402^28	4430^29
22	90.6	4399^28	4482^29	4510^30
20	90.9	4437^28	4522^30	4550^30
18	90.6	4452^29	4537^30	4566^31
16	90.3	4458^29	4544^30	4573^31
14	90.0	4459^29	4545^30	4574^31
10	89.4	4458^29	4546^30	4575^31
0	87.8	4456^29	4546^30	4576^31
-10	86.2	4439^28	4532^30	4563^30
-20	84.5	4432^28	4528^30	4560^30
-30	82.8	4418^28	4517^30	4550^30

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3920D21	3999D22	4026D23	4080
3997D22	4077D23	4104D24	4159
4077D23	4157D25	4185D25	4239
4158D24	4239D26	4266D26	4322
4238D25	4320D27	4348D28	4404
4318D27	4402D28	4430D29	4485
4399D28	4482D29	4510D30	4567
4437D28	4522D30	4550D30	4611
4452D29	4537D30	4566D31	4621
4458D29	4544D30	4573D31	4631
4459D29	4545D30	4574D31	4633
4458D29	4546D30	4575D31	4635
4456D29	4546D30	4576D31	4638
4439D28	4532D30	4563D31	4628
4432D28	4528D30	4560D31	4630
4418D28	4517D30	4550D30	4623

High QNH **+90** per .10" Engine A/I ON **-5080**
Low QNH **-170** per .10" Wing A/I ON **-5080**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
34	92.5	3929^21	4008^22	4035^23
32	92.8	4007^22	4086^23	4112^24
30	93.2	4087^23	4166^25	4193^25
28	93.6	4168^24	4248^26	4276^26
26	94.0	4249^26	4331^27	4358^28
24	94.3	4330^27	4413^28	4441^29
22	94.3	4412^28	4494^29	4522^30
20	94.3	4451^29	4535^30	4562^31
18	94.0	4468^29	4553^30	4580^31
16	93.7	4476^29	4560^30	4588^31
14	93.4	4476^29	4561^30	4589^31
10	92.8	4476^29	4561^30	4590^31
0	91.1	4473^29	4561^30	4591^31
-10	89.4	4456^29	4547^30	4577^31
-20	87.7	4448^28	4543^30	4574^31
-30	86.0	4434^28	4531^30	4564^31

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3929D21	4008D22	4035D23	4080
4007D22	4086D24	4112D24	4159
4087D23	4166D25	4193D25	4239
4168D24	4248D26	4276D26	4322
4249D26	4331D27	4358D28	4404
4330D27	4413D28	4441D29	4485
4412D28	4494D30	4522D30	4567
4451D29	4535D30	4562D31	4611
4468D29	4553D30	4580D31	4621
4476D29	4560D31	4588D31	4631
4476D29	4561D31	4589D31	4633
4476D29	4561D31	4590D31	4635
4473D29	4561D31	4591D31	4638
4456D29	4547D30	4577D31	4628
4448D29	4543D30	4574D31	4630
4434D28	4531D30	4564D31	4623

High QNH **+100** per .10" Engine A/I ON **-5140**
Low QNH **-170** per .10" Wing A/I ON **-5140**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
34	92.5	4050^29-29-37	4124^30-30-38	4140C30-30-39	4140C30-30-39
32	92.8	4129^30-30-38	4204^31-31-40	4219C31-31-40	4219C31-31-40
30	93.2	4211^31-31-40	4286^32-32-41	4298C33-33-41	4298C33-33-41
28	93.6	4294^32-32-41	4369^34-34-42	4380C34-34-42	4380C34-34-42
26	94.0	4377^34-34-42	4453^35-35-43	4462C35-35-44	4462C35-35-44
24	94.3	4461^35-35-44	4540^36-36-45	4544C36-36-45	4544C36-36-45
22	94.3	4497T35-35-44	4626^38-38-46	4627C38-38-46	4627C38-38-46
20	94.3	4529T36-36-45	4667^38-38-47	4681C38-38-47	4681C38-38-47
18	94.0	4563T36-36-45	4686^38-38-47	4687C38-38-47	4687C38-38-47
16	93.7	4595T37-37-46	4693C38-38-47	4693C38-38-47	4693C38-38-47
14	93.4	4614^37-37-46	4694^38-38-47	4696C39-39-47	4696C39-39-47
10	92.8	4613^37-37-46	4695^38-38-47	4699C39-39-47	4699C39-39-47
0	91.1	4611^37-37-46	4696^38-38-47	4705C39-39-47	4705C39-39-47
-10	89.4	4594^37-37-46	4681^38-38-47	4695C38-38-47	4695C38-38-47
-20	87.7	4587^37-37-46	4677^38-38-47	4701C39-39-47	4701C39-39-47
-30	86.0	4571^36-36-45	4664^38-38-47	4693C38-38-47	4693C38-38-47

High QNH **+100** per .10" Engine A/I ON **-5260**
Low QNH **-180** per .10" Wing A/I ON **-5260**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 7316 Length 13074 Shift **0** Clearway 0 Stopway 0 Slope +0.05
Rwy Rev. Program Rules FAA **02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3929^21	4008^22	4035^23	3924^21	4003^22	4029^23			
32	4007^22	4086^23	4112^24	4002^22	4081^23	4107^24			
30	4087^23	4166^25	4193^25	4082^23	4162^25	4188^25			
28	4168^24	4248^26	4276^26	4164^24	4244^26	4271^26			
26	4249^26	4331^27	4358^28	4245^26	4327^27	4354^28			
24	4330^27	4413^28	4441^29	4327^27	4409^28	4437^29			
22	4412^28	4494^29	4522^30	4409^28	4491^29	4519^30			
20	4451^29	4535^30	4562^31	4448^28	4532^30	4560^30			
18	4468^29	4553^30	4580^31	4465^29	4550^30	4578^31			
16	4476^29	4560^30	4588^31	4472^29	4557^30	4585^31			
14	4476^29	4561^30	4589^31	4472^29	4557^30	4586^31			
10	4476^29	4561^30	4590^31	3919^20	4001^22	4029^23			
0	4473^29	4561^30	4591^31	4369^27	4456^29	4485^29			
-10	4456^29	4547^30	4577^31	4372^27	4463^29	4493^29			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -220 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -5140 Wing A/I ON -5140			Engine A/I ON -160 Wing A/I ON -160			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3929D21	4008D22	4035D23	3924D21	4003D22	4029D23			
32	4007D22	4086D24	4112D24	4002D22	4081D23	4107D24			
30	4087D23	4166D25	4193D25	4082D23	4162D25	4188D25			
28	4168D24	4248D26	4276D26	4164D24	4244D26	4271D26			
26	4249D26	4331D27	4358D28	4245D26	4327D27	4354D28			
24	4330D27	4413D28	4441D29	4327D27	4409D28	4437D29			
22	4412D28	4494D30	4522D30	4409D28	4491D30	4519D30			
20	4451D29	4535D30	4562D31	4448D29	4532D30	4560D31			
18	4468D29	4553D30	4580D31	4465D29	4550D30	4578D31			
16	4476D29	4560D31	4588D31	4472D29	4557D30	4585D31			
14	4476D29	4561D31	4589D31	4472D29	4557D30	4586D31			
10	4476D29	4561D31	4590D31	3919D21	4001D22	4029D23			
0	4473D29	4561D31	4591D31	4369D27	4456D29	4485D29			
-10	4456D29	4547D30	4577D31	4372D27	4463D29	4493D30			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -220 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -5140 Wing A/I ON -5140			Engine A/I ON -160 Wing A/I ON -160			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4117^ 7	4215^16	4248^19	3880F10	4084F18	4150^20			
26	4196^ 7	4294^16	4327^19	3943F11	4151F18	4217^20			
24	4275^ 8	4374^17	4408^20	4012F11	4220F19	4287^21			
22	4347^ 8	4454^17	4489^20	4078F12	4292F19	4358^22			
20	4394^ 9	4495^18	4529^21	4136F12	4351F20	4419^22			
18	4412^ 9	4514^19	4549^22	4173F13	4390^21	4459^23			
16	4420^10	4523^19	4558^22	4193F14	4409^21	4481^24			
14	4422^10	4525^20	4560^23	4205F14	4421^22	4494^24			
12	4423^11	4527^20	4562^23	4217F14	4433^22	4506^25			
10	4423^11	4529^21	4564^24	4228F15	4446^23	4519^25			
0	4427^14	4536^23	4572^26	4285F17	4495^24	4537^27			
-10	4418^16	4529^26	4568^29	4339F18	4497^27	4545^30			
-20	4417^19	4533^29	4569^31	4377^20	4512^29	4547^30			
-30	4410^22	4526^30	4558^30	4378^23	4504^29	4537^30			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -180 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4850 Wing A/I ON -4850			Engine A/I ON -4180 Wing A/I ON -4180			Engine A/I ON Wing A/I ON		

Elevation 7316 Length 13074 Shift **0** Clearway 0 Stopway 0 Slope +0.05

Rwy Rev. Program Rules FAA **02 Jul 20**

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MEXICO CITY -MEX 23L *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.7 MEX	**D8.4 IMEX**	***LT MEX**	**8316'**	**STD**

*IF MEX VOR OTS THEN LT TPX NDB AND HOLD STD

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
34	89.1	3921^21	4000^22	4027^23	3921D21	4000D22	4027D23	4080
32	89.4	3998^22	4078^23	4104^24	3998D22	4078D23	4104D24	4159
30	89.7	4078^23	4159^24	4185^25	4078D23	4159D25	4185D25	4239
28	89.9	4159^24	4240^26	4267^26	4159D24	4240D26	4267D26	4322
26	90.1	4239^25	4322^27	4348^27	4239D26	4322D27	4346^27	4404
24	90.4	4320^27	4403^28	4431^29	4320D27	4403D28	4431D29	4485
22	90.6	4400^28	4484^29	4512^30	4400D28	4484D29	4512D30	4567
20	90.9	4438^28	4523^30	4551^30	4438D28	4523D30	4551D30	4611
18	90.6	4453^29	4539^30	4567^31	4453D29	4539D30	4567D31	4621
16	90.3	4459^29	4545^30	4574^31	4459D29	4545D30	4574D31	4631
14	90.0	4460^29	4546^30	4575^31	4460D29	4546D30	4575D31	4633
10	89.4	4460^29	4547^30	4576^31	4460D29	4547D30	4576D31	4635
0	87.8	4457^29	4547^30	4577^31	4457D29	4547D30	4577D31	4638
-10	86.2	4440^28	4533^30	4564^30	4440D28	4533D30	4564D31	4628
-20	84.5	4433^28	4529^30	4561^30	4433D28	4529D30	4561D31	4630
-30	82.8	4419^28	4518^30	4551^30	4419D28	4518D30	4551D30	4623

High QNH **+90** per .10" Engine A/I ON **-5530**
Low QNH **-170** per .10" Wing A/I ON **-5530**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
34	92.5	3931^21	4009^22	4035^23	3931D21	4009D22	4035D23	4080
32	92.8	4008^22	4087^23	4113^24	4008D22	4087D24	4113D24	4159
30	93.2	4088^23	4168^25	4194^25	4088D23	4168D25	4194D25	4239
28	93.6	4169^24	4240^26	4276^26	4169D25	4240D26	4276D26	4322
26	94.0	4250^26	4331^27	4358^28	4250D26	4329^27	4358D28	4404
24	94.3	4332^27	4414^28	4442^29	4332D27	4414D28	4442D29	4485
22	94.3	4413^28	4497^30	4524^30	4413D28	4497D30	4524D30	4567
20	94.3	4452^29	4536^30	4563^31	4452D29	4536D30	4563D31	4611
18	94.0	4469^29	4554^30	4581^31	4469D29	4554D30	4581D31	4621
16	93.7	4477^29	4561^30	4589^31	4477D29	4561D31	4589D31	4631
14	93.4	4477^29	4562^30	4590^31	4477D29	4562D31	4590D31	4633
10	92.8	4477^29	4562^30	4591^31	4477D29	4562D31	4591D31	4635
0	91.1	4474^29	4562^30	4592^31	4474D29	4562D31	4592D31	4638
-10	89.4	4457^29	4548^30	4578^31	4457D29	4548D30	4578D31	4628
-20	87.7	4449^28	4544^30	4575^31	4449D29	4544D30	4575D31	4630
-30	86.0	4435^28	4532^30	4564^30	4435D28	4532D30	4564D31	4623

High QNH **+100** per .10" Engine A/I ON **-1210**
Low QNH **-170** per .10" Wing A/I ON **-1210**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
34	92.5	4051^29-29-37	4126^30-30-38	4140C30-30-39	4140C30-30-39
32	92.8	4130^30-30-38	4206^31-31-40	4219C31-31-40	4219C31-31-40
30	93.2	4212^31-31-40	4289^33-33-41	4298C33-33-41	4298C33-33-41
28	93.6	4295^32-32-41	4371^34-34-42	4380C34-34-42	4380C34-34-42
26	94.0	4366^33-33-42	4455^35-35-44	4462C35-35-44	4462C35-35-44
24	94.3	4436^34-34-43	4541^36-36-45	4544C36-36-45	4544C36-36-45
22	94.3	4497T35-35-44	4627C38-38-46	4627C38-38-46	4627C38-38-46
20	94.3	4529T36-36-45	4668^38-38-47	4681C38-38-47	4681C38-38-47
18	94.0	4563T36-36-45	4687^38-38-47	4687C38-38-47	4687C38-38-47
16	93.7	4595T37-37-46	4693C38-38-47	4693C38-38-47	4693C38-38-47
14	93.4	4610^37-37-46	4695^39-39-47	4696C39-39-47	4696C39-39-47
10	92.8	4614^37-37-46	4696^39-39-47	4699C39-39-47	4699C39-39-47
0	91.1	4612^37-37-46	4697^38-38-47	4705C39-39-47	4705C39-39-47
-10	89.4	4595^37-37-46	4682^38-38-47	4695C38-38-47	4695C38-38-47
-20	87.7	4588^37-37-46	4678^38-38-47	4701C39-39-47	4701C39-39-47
-30	86.0	4573^36-36-45	4665^38-38-47	4693C38-38-47	4693C38-38-47

High QNH **+100** per .10" Engine A/I ON **-5720**
Low QNH **-180** per .10" Wing A/I ON **-5720**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	7316	Length	12812	Shift	**0**	Clearway	0	Stopway	262	Slope	-0.05
Rwy Rev.		Program						Rules	FAA		**04 Apr 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3931^21	4009^22	4035^23	3925^21	4004^22	4030^23			
32	4008^22	4087^23	4113^24	4003^22	4082^23	4108^24			
30	4088^23	4168^25	4194^25	4084^23	4163^25	4190^25			
28	4169^24	4240^26	4276^26	4165^24	4245^26	4272^26			
26	4250^26	4331^27	4358^28	4246^26	4327^27	4354^28			
24	4332^27	4414^28	4442^29	4328^27	4410^28	4438^29			
22	4413^28	4497^30	4524^30	4410^28	4494^29	4521^30			
20	4452^29	4536^30	4563^31	4449^28	4533^30	4561^30			
18	4469^29	4554^30	4581^31	4467^29	4551^30	4579^31			
16	4477^29	4561^30	4589^31	4473^29	4558^30	4586^31			
14	4477^29	4562^30	4590^31	4473^29	4558^30	4587^31			
10	4477^29	4562^30	4591^31	3920^21	4002^22	4029^23			
0	4474^29	4562^30	4592^31	4370^27	4457^29	4486^29			
-10	4457^29	4548^30	4578^31	4373^27	4464^29	4494^29			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1210** Wing A/I ON **-1210**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3931D21	4009D22	4035D23	3925D21	4004D22	4030D23			
32	4008D22	4087D24	4113D24	4003D22	4082D23	4108D24			
30	4088D23	4168D25	4194D25	4084D23	4163D25	4190D25			
28	4169D25	4240D26	4276D26	4165D24	4245D26	4272D26			
26	4250D26	4329^27	4358D28	4246D26	4327D27	4354D28			
24	4332D27	4414D28	4442D29	4328D27	4410D28	4438D29			
22	4413D28	4497D30	4524D30	4410D28	4494D30	4521D30			
20	4452D29	4536D30	4563D31	4449D29	4533D30	4561D31			
18	4469D29	4554D30	4581D31	4467D29	4551D30	4579D31			
16	4477D29	4561D31	4589D31	4473D29	4558D31	4586D31			
14	4477D29	4562D31	4590D31	4473D29	4558D31	4587D31			
10	4477D29	4562D31	4591D31	3920D21	4002D22	4029D23			
0	4474D29	4562D31	4592D31	4370D27	4457D29	4486D29			
-10	4457D29	4548D30	4578D31	4373D27	4464D29	4494D30			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1210** Wing A/I ON **-1210**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4035^ 7	4216^16	4249^19	3837^11	4028^18	4098^20			
26	4099^ 8	4284^16	4328^19	3901^11	4093^19	4162^21			
24	4163^ 8	4350^17	4409^20	3966^12	4158^19	4229^22			
22	4227^ 8	4417^17	4483^20	4031^12	4227^20	4298^22			
20	4277^ 9	4469^18	4530^21	4085^13	4284^21	4355^23			
18	4302^10	4496^19	4550^22	4118^14	4321^22	4395^24			
16	4318^10	4514^19	4559^22	4136^14	4342^22	4417^24			
14	4329^11	4526^20	4561^23	4147^15	4354^22	4429^25			
12	4338^11	4528^20	4563^23	4157^15	4366^23	4442^25			
10	4349^11	4530^21	4565^24	4168^15	4378^23	4453^25			
0	4401^13	4537^23	4573^26	4221^17	4438^25	4517^27			
-10	4419^16	4530^26	4568^29	4268^19	4494^27	4545^30			
-20	4418^19	4534^28	4570^31	4324^21	4513^29	4548^30			
-30	4411^21	4527^30	4559^30	4379^23	4505^29	4538^30			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1140** Wing A/I ON **-1140**			Engine A/I ON **-760** Wing A/I ON **-760**			Engine A/I ON Wing A/I ON		

Elevation 7316 Length 12812 Shift **0** Clearway 0 Stopway 262 Slope -0.05

Rwy Rev. Program Rules FAA **04 Apr 18**

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TAR Mexico **EMB-145** **AE3007A1**

MEXICO CITY -MEX 23R *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.5 MEX	**D8.3 IMEX**	***LT MEX**	**8316'**	**STD**

*IF MEX VOR OTS THEN LT TPX NDB AND HOLD STD

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
34	89.1	3921^21	4000^22	4026^23
32	89.4	3998^22	4078^23	4104^24
30	89.7	4077^23	4158^24	4185^25
28	89.9	4158^24	4240^26	4267^26
26	90.1	4239^25	4321^27	4349^27
24	90.4	4320^27	4403^28	4431^29
22	90.6	4400^28	4484^29	4512^30
20	90.9	4438^28	4522^30	4551^30
18	90.6	4453^29	4538^30	4567^31
16	90.3	4459^29	4545^30	4573^31
14	90.0	4459^29	4546^30	4574^31
10	89.4	4459^29	4546^30	4575^31
0	87.8	4457^29	4547^30	4577^31
-10	86.2	4440^28	4533^30	4564^30
-20	84.5	4428^28	4529^30	4561^30
-30	82.8	4419^28	4517^30	4550^30

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3921D21	4000D22	4026D23	4080
3998D22	4078D23	4104D24	4159
4077D23	4158D25	4185D25	4239
4158D24	4240D26	4267D26	4322
4239D24	4321D27	4349D28	4404
4320D25	4403D28	4431D29	4485
4400D25	4484D29	4512D30	4567
4438D26	4522D30	4551D30	4611
4453D26	4538D30	4567D31	4621
4459D26	4545D30	4573D31	4631
4459D27	4546D30	4574D31	4633
4459D28	4546D30	4575D31	4635
4457D29	4547D30	4577D31	4638
4440D28	4533D30	4564D31	4628
4428D28	4529D30	4561D31	4630
4419D28	4517D30	4550D30	4623

High QNH **+90** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-5530** — Wing A/I ON **-5530**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
34	92.5	3930^21	4009^22	4035^23
32	92.8	4008^22	4086^23	4113^24
30	93.2	4088^23	4167^25	4194^25
28	93.6	4169^24	4249^26	4276^26
26	94.0	4250^26	4332^27	4358^28
24	94.3	4331^27	4413^28	4441^29
22	94.3	4413^28	4496^30	4524^30
20	94.3	4452^29	4535^30	4563^31
18	94.0	4469^29	4553^30	4581^31
16	93.7	4476^29	4561^30	4589^31
14	93.4	4477^29	4562^30	4590^31
10	92.8	4476^29	4562^30	4591^31
0	91.1	4473^29	4562^30	4591^31
-10	89.4	4456^29	4548^30	4578^31
-20	87.7	4449^28	4543^30	4575^31
-30	86.0	4434^28	4532^30	4564^30

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3930D21	4009D22	4035D23	4080
4008D22	4086D24	4113D24	4159
4088D23	4167D25	4194D25	4239
4169D25	4249D26	4276D26	4322
4250D26	4332D27	4358D28	4404
4331D27	4413D28	4441D29	4485
4413D27	4496D30	4524D30	4567
4452D28	4535D30	4563D31	4611
4469D29	4553D30	4581D31	4621
4476D29	4561D31	4589D31	4631
4477D29	4562D31	4590D31	4633
4476D29	4562D31	4591D31	4635
4473D29	4562D31	4591D31	4638
4456D29	4548D30	4578D31	4628
4449D29	4543D30	4575D31	4630
4434D28	4532D30	4564D31	4623

High QNH **+100** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-5710** — Wing A/I ON **-5710**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
34	92.5	4051^29-29-37	4125^30-30-38	4140C30-30-39	4140C30-30-39
32	92.8	4130^30-30-38	4206^31-31-40	4219C31-31-40	4219C31-31-40
30	93.2	4212^31-31-40	4288^33-33-41	4298C33-33-41	4298C33-33-41
28	93.6	4294^32-32-41	4372^34-34-42	4380C34-34-42	4380C34-34-42
26	94.0	4378^34-34-42	4455^35-35-43	4462C35-35-44	4462C35-35-44
24	94.3	4462^35-35-44	4541^36-36-45	4544C36-36-45	4544C36-36-45
22	94.3	4497T35-35-44	4627^38-38-46	4627C38-38-46	4627C38-38-46
20	94.3	4529T36-36-45	4667^38-38-47	4681C38-38-47	4681C38-38-47
18	94.0	4563T36-36-45	4686^38-38-47	4687C38-38-47	4687C38-38-47
16	93.7	4595T37-37-46	4693C38-38-47	4693C38-38-47	4693C38-38-47
14	93.4	4614^37-37-46	4695^38-38-47	4696C39-39-47	4696C39-39-47
10	92.8	4614^37-37-46	4696^39-39-47	4699C39-39-47	4699C39-39-47
0	91.1	4612^37-37-46	4697^38-38-47	4705C39-39-47	4705C39-39-47
-10	89.4	4594^37-37-46	4682^38-38-47	4695C38-38-47	4695C38-38-47
-20	87.7	4588^37-37-46	4678^38-38-47	4701C39-39-47	4701C39-39-47
-30	86.0	4572^36-36-45	4665^38-38-47	4693C38-38-47	4693C38-38-47

High QNH **+100** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-5720** — Wing A/I ON **-5720**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 7316 Length 11772 Shift **0** Clearway 0 Stopway 466 Slope -0.02
Rwy Rev. Program Rules FAA **21 Dec 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3930^21	4009^22	4035^23	3925^21	4004^22	4030^23			
32	4008^22	4086^23	4113^24	4003^22	4082^23	4108^24			
30	4088^23	4167^25	4194^25	4083^23	4163^25	4190^25			
28	4169^24	4249^26	4276^26	4165^24	4245^26	4272^26			
26	4250^26	4332^27	4358^28	4246^26	4328^27	4354^28			
24	4331^27	4413^28	4441^29	4328^27	4410^28	4438^29			
22	4413^28	4496^30	4524^30	4410^28	4493^29	4521^30			
20	4452^29	4535^30	4563^31	4449^28	4533^30	4560^30			
18	4469^29	4553^30	4581^31	4466^29	4550^30	4578^31			
16	4476^29	4561^30	4589^31	4473^29	4558^30	4586^31			
14	4477^29	4562^30	4590^31	4473^29	4558^30	4586^31			
10	4476^29	4562^30	4591^31	3920^21	3990^22	4029^23			
0	4473^29	4562^30	4591^31	4369^27	4457^29	4486^29			
-10	4456^29	4548^30	4578^31	4373^27	4463^29	4493^29			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-5710** Wing A/I ON **-5710**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3930D21	4009D22	4035D23	3925D21	4004D22	4030D23			
32	4008D22	4086D24	4113D24	4003D22	4082D23	4108D24			
30	4088D23	4167D25	4194D25	4083D23	4163D25	4190D25			
28	4169D25	4249D26	4276D26	4165D24	4245D26	4272D26			
26	4250D26	4332D27	4358D28	4246D26	4328D27	4354D28			
24	4331D27	4413D28	4441D29	4328D26	4410D28	4438D29			
22	4413D27	4496D30	4524D30	4410D27	4493D30	4521D30			
20	4452D28	4535D30	4563D31	4449D28	4533D30	4560D31			
18	4469D29	4553D30	4581D31	4466D28	4550D30	4578D31			
16	4476D29	4561D31	4589D31	4473D29	4558D31	4586D31			
14	4477D29	4562D31	4590D31	4473D29	4558D31	4586D31			
10	4476D29	4562D31	4591D31	3920D21	3990D22	4029D23			
0	4473D29	4562D31	4591D31	4369D27	4457D29	4486D29			
-10	4456D29	4548D30	4578D31	4373D27	4463D29	4493D30			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-5710** Wing A/I ON **-5710**			Engine A/I ON **-160** Wing A/I ON **-160**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3999F 3	4206^12	4238^15	3733F 7	3943F15	4016F17			
26	4060F 4	4285^12	4318^15	3796F 8	4007F15	4080F18			
24	4121F 4	4352F13	4399^16	3859F 8	4073F16	4147F18			
22	4183F 5	4417F13	4479^16	3923F 9	4140F17	4217F19			
20	4233F 5	4470F14	4519^17	3977F10	4198F17	4276F20			
18	4262F 6	4501F14	4539^18	4011F10	4237F18	4317F21			
16	4280F 6	4513^15	4548^18	4029F11	4259F19	4340F21			
14	4293F 7	4515^15	4550^19	4042F11	4272F19	4353F21			
12	4306F 7	4517^16	4552^19	4053F11	4285F19	4367F22			
10	4318F 7	4518^16	4553^20	4065F12	4298F20	4381F22			
0	4383F 9	4525^19	4561^22	4121F14	4363F21	4447F24			
-10	4408^12	4518^22	4556^25	4175F15	4424F23	4510F26			
-20	4407^14	4522^24	4561^27	4235F17	4484^25	4530^28			
-30	4401^17	4519^27	4559^30	4297F19	4491^28	4538^30			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-5270** Wing A/I ON **-5270**			Engine A/I ON **-3130** Wing A/I ON **-3130**			Engine A/I ON Wing A/I ON		

Elevation 7316 Length 11772 Shift **0** Clearway 0 Stopway 466 Slope -0.02

Rwy Rev. Program Rules FAA **21 Dec 17**

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MONCLOVA **-LOV** **06R** ***LT H030***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2864'		**LT H030**	**2864'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.6	3703^14	3873^18	3928^19	3628F 4	3873D13	3928D17	4509
44	87.9	3765^15	3939^19	3996^20	3681F 4	3939D14	3996D17	4608
42	88.2	3825^16	4004^20	4062^21	3735F 5	4004D14	4062D18	4707
40	88.5	3883^17	4066^21	4126^22	3786F 5	4066D15	4126D18	4804
38	88.4	3933^18	4122^21	4182^23	3832F 5	4120F15	4182D18	4896
36	88.2	3963^18	4153^22	4214^23	3860F 6	4151F16	4214D19	4927
34	88.0	3972^18	4162^22	4223^23	3872F 6	4162D16	4223D19	4947
32	87.8	3982^19	4171^22	4232^23	3883F 6	4171D16	4232D20	4951
30	87.7	3992^19	4180^22	4241^24	3895F 7	4180D17	4241D20	4952
28	87.4	4001^19	4188^23	4250^24	3907F 7	4188D17	4250D20	4954
26	87.1	4010^19	4198^23	4259^24	3919F 7	4198D17	4259D21	4955
24	86.8	4020^19	4206^23	4267^24	3931F 8	4206D18	4267D21	4957
20	86.2	4038^20	4225^23	4287^24	3955F 8	4225D18	4287D22	4960
10	84.7	4080^20	4269^24	4330^25	4013F10	4269D20	4330D24	4963
0	83.2	4124^21	4313^25	4373^26	4074F12	4313D22	4373D26	4960
-10	81.7	4169^22	4359^26	4419^27	4136F14	4359D24	4419D28	4965

High QNH **+40** per .10" Engine A/I ON **-470**
Low QNH **-140** per .10" Wing A/I ON **-470**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	90.9	3763^16	3928^19	3981^20	3690F 5	3928D15	3981D18	4509
44	91.2	3828^17	3997^20	4051^21	3746F 5	3997D15	4051D18	4608
42	91.6	3892^18	4064^21	4121^22	3800F 6	4064D16	4121D19	4707
40	91.9	3954^18	4130^22	4188^23	3853F 6	4130D16	4188D19	4804
38	91.8	4010^19	4189^23	4247^24	3902F 7	4189D17	4247D20	4896
36	91.8	4047^20	4227^23	4285^24	3937F 7	4227D17	4285D21	4927
34	91.6	4063^20	4242^24	4300^25	3956F 7	4242D18	4300D21	4947
32	91.3	4074^20	4253^24	4311^25	3970F 8	4253D18	4311D21	4951
30	91.0	4085^21	4264^24	4322^25	3985F 8	4264D18	4322D22	4952
28	90.7	4093^21	4272^24	4331^25	3997F 9	4272D19	4331D22	4954
26	90.4	4102^21	4282^24	4339^25	4010F 9	4282D19	4339D23	4955
24	90.1	4111^21	4291^24	4348^25	4020F 9	4291D20	4348D23	4957
20	89.5	4128^21	4309^25	4366^26	4045F10	4309D20	4366D24	4960
10	87.9	4169^22	4349^25	4407^27	4103F12	4349D22	4407D26	4963
0	86.4	4213^23	4392^26	4449^27	4164F14	4392D24	4449D28	4960
-10	84.8	4258^24	4437^27	4493^28	4230F16	4437D26	4493D30	4965

High QNH **+40** per .10" Engine A/I ON **-480**
Low QNH **-140** per .10" Wing A/I ON **-480**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	90.9	3763^16-16-27	3928^19-19-30	3981^20-20-31	4032^21-21-31
44	91.2	3828^17-17-28	3997^20-20-31	4051^21-21-32	4104^22-22-33
42	91.6	3892^18-18-29	4064^21-21-32	4121^22-22-33	4175^23-23-34
40	91.9	3954^18-18-30	4130^22-22-33	4188^23-23-34	4243^24-24-35
38	91.8	4010^19-19-31	4189^23-23-34	4247^24-24-35	4303^25-25-36
36	91.8	4047^20-20-32	4227^23-23-34	4285^24-24-35	4342^25-25-36
34	91.6	4063^20-20-32	4242^24-24-35	4300^25-25-36	4357^26-26-36
32	91.3	4074^20-20-32	4253^24-24-35	4311^25-25-36	4368^26-26-37
30	91.0	4085^21-21-32	4264^24-24-35	4322^25-25-36	4378^26-26-37
28	90.7	4093^21-21-32	4272^24-24-35	4331^25-25-36	4387^26-26-37
26	90.4	4102^21-21-33	4282^24-24-35	4339^25-25-36	4395^26-26-37
24	90.1	4111^21-21-33	4291^24-24-35	4348^25-25-36	4404^27-27-37
20	89.5	4128^21-21-33	4309^25-25-36	4366^26-26-37	4421^27-27-37
10	87.9	4169^22-22-34	4349^25-25-36	4407^27-27-37	4462^28-28-38
0	86.4	4213^23-23-34	4392^26-26-37	4449^27-27-38	4503^28-28-39
-10	84.8	4258^24-24-35	4437^27-27-38	4493^28-28-38	4547^29-29-39

High QNH **+40** per .10" Engine A/I ON **-480**
Low QNH **-140** per .10" Wing A/I ON **-480**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	1864	Length	6234	Shift	**0**	Clearway	656	Stopway	656	Slope	+0.06
Rwy Rev.		Program						Rules	FAA		**19 Aug 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	3763^16	3928^19	3981^20
44	3828^17	3997^20	4051^21
42	3892^18	4064^21	4121^22
40	3954^18	4130^22	4188^23
38	4010^19	4189^23	4247^24
36	4047^20	4227^23	4285^24
34	4063^20	4242^24	4300^25
32	4074^20	4253^24	4311^25
30	4085^21	4264^24	4322^25
28	4093^21	4272^24	4331^25
26	4102^21	4282^24	4339^25
24	4111^21	4291^24	4348^25
20	4128^21	4309^25	4366^26
10	4169^22	4349^25	4407^27

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-410**
Wing A/I ON **-410**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
3756^16	3921^19	3974^20
3821^17	3989^20	4044^21
3885^17	4057^21	4113^22
3947^18	4123^22	4181^23
4003^19	4182^23	4240^24
4040^20	4220^23	4278^24
4059^20	4238^23	4296^25
4068^20	4247^24	4305^25
4078^20	4257^24	4315^25
4087^21	4266^24	4324^25
4095^21	4274^24	4332^25
4103^21	4283^24	4341^25
4122^21	4302^25	4360^26
4129^22	4308^25	4364^26

High QNH **+30** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	3690F 5	3928D15	3981D18
44	3746F 5	3997D15	4051D18
42	3800F 6	4064D16	4121D19
40	3853F 6	4130D16	4188D19
38	3902F 7	4189D17	4247D20
36	3937F 7	4227D17	4285D21
34	3956F 7	4242D18	4300D21
32	3970F 8	4253D18	4311D21
30	3985F 8	4264D18	4322D22
28	3997F 9	4272D19	4331D22
26	4010F 9	4282D19	4339D23
24	4020F 9	4291D20	4348D23
20	4045F10	4309D20	4366D24
10	4103F12	4349D22	4407D26

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-410**
Wing A/I ON **-410**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
3683F 5	3921D14	3974D18
3739F 5	3989D15	4044D18
3793F 6	4057D15	4113D19
3847F 6	4123D16	4181D19
3895F 6	4182D16	4240D20
3930F 7	4220D17	4278D20
3952F 7	4238D18	4296D21
3965F 8	4247D18	4305D21
3979F 8	4257D18	4315D22
3991F 8	4266D19	4324D22
4003F 9	4274D19	4332D22
4016F 9	4283D19	4341D23
4039F10	4302D20	4360D24
4070F12	4308D22	4364D26

High QNH **+30** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28		3916F95	4022^98
26		3938^96	4034^99
24		3950^96	4045^99
22		3963^96	4057^99
20		3976^96	4068^ 0
18		3989^97	4081^ 0
16		4000^97	4092^ 1
14		4012^98	4102^ 1
12		4020^98	4111^ 1
10		4030^98	4121^ 2
0	3315F92	4091^ 0	4183^ 3
-10	3374F94	4152^ 2	4246^ 5
-20	3569F95	4196^ 4	4248^ 8
-30	3760F96	4194^ 7	4248^10

High QNH **+20** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-480**
Wing A/I ON **-480**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
	3179F 3	3516F 4
	3208F 3	3553F 4
	3239F 3	3568F 5
	3275F 3	3584F 5
	3309F 3	3604F 5
	3344F 4	3621F 5
	3382F 4	3641F 6
	3418F 4	3660F 6
2660F98	3462F 4	3680F 6
2679F98	3505F 4	3698F 6
2801F99	3621F 5	3822F 8
2923F 1	3729F 7	3930F 9
3058F 2	3856F 8	4023F11
3232F 3	3954F10	4126F12

High QNH **+70** per .10"
Low QNH **-180** per .10"

Engine A/I ON **-290**
Wing A/I ON **-290**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 1864 Length 6234 Shift **0** Clearway 656 Stopway 656 Slope +0.06
Rwy Rev. Program Rules FAA **19 Aug 19**

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MONCLOVA -LOV 24L *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2300'		**RT H050**	**2864'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.6	3706^15	3878^18	3934^19	3681^ 3	3878D13	3934D17	4509
44	87.9	3766^15	3944^19	4001^20	3738^ 4	3944D14	4001D17	4608
42	88.2	3826^16	4009^20	4068^21	3795^ 4	4009D14	4068D17	4707
40	88.5	3884^17	4072^21	4132^22	3850^ 5	4072D15	4132D18	4804
38	88.4	3934^18	4127^22	4188^23	3898^ 5	4127D15	4188D18	4896
36	88.2	3964^18	4158^22	4220^23	3927^ 5	4158D16	4220D19	4927
34	88.0	3973^18	4167^22	4228^23	3938^ 6	4167D16	4228D19	4947
32	87.8	3982^19	4176^22	4238^23	3949^ 6	4176D16	4238D20	4951
30	87.7	3992^19	4185^22	4246^24	3959^ 6	4185D17	4246D20	4952
28	87.4	4002^19	4194^23	4256^24	3970^ 7	4194D17	4256D20	4954
26	87.1	4011^19	4203^23	4265^24	3981^ 7	4203D17	4265D21	4955
24	86.8	4021^19	4212^23	4274^24	3992^ 7	4212D18	4274D21	4957
20	86.2	4041^20	4231^23	4293^24	4014^ 8	4231D18	4293D22	4960
10	84.7	4084^21	4274^24	4336^25	4067^10	4274D20	4336D24	4963
0	83.2	4128^21	4319^25	4381^26	4119^12	4319D22	4381D26	4960
-10	81.7	4174^22	4366^26	4428^27	4174^14	4366D24	4428D28	4965

High QNH **+40** per .10" Engine A/I ON **-460**
Low QNH **-130** per .10" Wing A/I ON **-460**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	90.9	3767^16	3934^19	3988^20	3731^ 4	3934D15	3988D18	4509
44	91.2	3832^17	4003^20	4058^21	3792^ 5	4003D15	4058D18	4608
42	91.6	3896^18	4070^21	4127^22	3850^ 5	4070D16	4127D19	4707
40	91.9	3959^19	4136^22	4194^23	3907^ 6	4136D16	4194D19	4804
38	91.8	4014^19	4194^23	4253^24	3958^ 6	4194D17	4253D20	4896
36	91.8	4051^20	4232^23	4292^24	3992^ 7	4232D17	4292D20	4927
34	91.6	4067^20	4248^24	4307^25	4009^ 7	4248D18	4307D21	4947
32	91.3	4078^20	4259^24	4318^25	4022^ 8	4259D18	4318D21	4951
30	91.0	4089^21	4270^24	4329^25	4035^ 8	4270D18	4329D22	4952
28	90.7	4098^21	4279^24	4338^25	4046^ 8	4279D19	4338D22	4954
26	90.4	4106^21	4287^24	4347^25	4056^ 9	4287D19	4347D23	4955
24	90.1	4115^21	4296^25	4355^26	4067^ 9	4296D20	4355D23	4957
20	89.5	4133^21	4315^25	4373^26	4088^10	4315D20	4373D24	4960
10	87.9	4174^22	4357^26	4415^27	4139^12	4357D22	4415D26	4963
0	86.4	4217^23	4400^26	4458^27	4194^14	4400D24	4458D28	4960
-10	84.8	4263^24	4446^27	4503^28	4252^16	4446D26	4503D30	4965

High QNH **+40** per .10" Engine A/I ON **-480**
Low QNH **-140** per .10" Wing A/I ON **-480**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	90.9	3767^16-16-27	3934^19-19-30	3988^20-20-31	4040^21-21-32
44	91.2	3832^17-17-28	4003^20-20-31	4058^21-21-32	4112^22-22-33
42	91.6	3896^18-18-29	4070^21-21-32	4127^22-22-33	4182^23-23-34
40	91.9	3959^19-19-30	4136^22-22-33	4194^23-23-34	4251^24-24-35
38	91.8	4014^19-19-31	4194^23-23-34	4253^24-24-35	4311^25-25-36
36	91.8	4051^20-20-32	4232^23-23-35	4292^24-24-35	4350^26-26-36
34	91.6	4067^20-20-32	4248^24-24-35	4307^25-25-36	4365^26-26-37
32	91.3	4078^20-20-32	4259^24-24-35	4318^25-25-36	4376^26-26-37
30	91.0	4089^21-21-32	4270^24-24-35	4329^25-25-36	4386^26-26-37
28	90.7	4098^21-21-32	4279^24-24-35	4338^25-25-36	4395^26-26-37
26	90.4	4106^21-21-33	4287^24-24-35	4347^25-25-36	4403^26-26-37
24	90.1	4115^21-21-33	4296^25-25-36	4355^26-26-36	4413^27-27-37
20	89.5	4133^21-21-33	4315^25-25-36	4373^26-26-37	4430^27-27-38
10	87.9	4174^22-22-34	4357^26-26-36	4415^27-27-37	4472^28-28-38
0	86.4	4217^23-23-34	4400^26-26-37	4458^27-27-38	4513^28-28-39
-10	84.8	4263^24-24-35	4446^27-27-38	4503^28-28-39	4558^29-29-39

High QNH **+40** per .10" Engine A/I ON **-480**
Low QNH **-140** per .10" Wing A/I ON **-480**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 1864 Length 6611 Shift **0** Clearway 279 Stopway 279 Slope -0.06
Rwy Rev. Program Rules FAA **19 Aug 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	3767^16	3934^19	3988^20
44	3832^17	4003^20	4058^21
42	3896^18	4070^21	4127^22
40	3959^19	4136^22	4194^23
38	4014^19	4194^23	4253^24
36	4051^20	4232^23	4292^24
34	4067^20	4248^24	4307^25
32	4078^20	4259^24	4318^25
30	4089^21	4270^24	4329^25
28	4098^21	4279^24	4338^25
26	4106^21	4287^24	4347^25
24	4115^21	4296^25	4355^26
20	4133^21	4315^25	4373^26
10	4174^22	4357^26	4415^27

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-410**
Wing A/I ON **-410**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
46	3760^16	3927^19	3981^20
44	3825^17	3995^20	4050^21
42	3888^18	4063^21	4120^22
40	3951^18	4129^22	4187^23
38	4007^19	4188^23	4246^24
36	4044^20	4225^23	4285^24
34	4063^20	4244^24	4302^25
32	4072^20	4254^24	4312^25
30	4082^20	4263^24	4321^25
28	4090^21	4272^24	4330^25
26	4099^21	4281^24	4339^25
24	4108^21	4290^24	4348^26
20	4125^21	4308^25	4367^26
10	4134^22	4314^25	4373^26

High QNH **+30** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	3731^ 4	3934D15	3988D18
44	3792^ 5	4003D15	4058D18
42	3850^ 5	4070D16	4127D19
40	3907^ 6	4136D16	4194D19
38	3958^ 6	4194D17	4253D20
36	3992^ 7	4232D17	4292D20
34	4009^ 7	4248D18	4307D21
32	4022^ 8	4259D18	4318D21
30	4035^ 8	4270D18	4329D22
28	4046^ 8	4279D19	4338D22
26	4056^ 9	4287D19	4347D23
24	4067^ 9	4296D20	4355D23
20	4088^10	4315D20	4373D24
10	4139^12	4357D22	4415D26

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-410**
Wing A/I ON **-410**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
46	3725^ 4	3927D14	3981D18
44	3786^ 5	3995D15	4050D18
42	3844^ 5	4063D15	4120D19
40	3900^ 6	4129D16	4187D19
38	3951^ 6	4188D16	4246D20
36	3986^ 7	4225D17	4285D20
34	4005^ 7	4244D18	4302D21
32	4017^ 7	4254D18	4312D21
30	4029^ 8	4263D18	4321D22
28	4040^ 8	4272D19	4330D22
26	4051^ 9	4281D19	4339D22
24	4061^ 9	4290D19	4348D23
20	4083^10	4308D20	4367D24
10	4104^12	4314D22	4373D26

High QNH **+30** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

LEVEL 1 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28		3885F95	4027^98
26		3919F95	4038^98
24		3948F95	4050^99
22		3968^96	4062^99
20		3981^96	4074^99
18		3994^97	4086^ 0
16		4006^97	4098^ 0
14		4016^97	4109^ 1
12		4025^98	4118^ 1
10		4035^98	4127^ 1
0	3266F92	4097^ 0	4190^ 3
-10	3327F93	4158^ 2	4247^ 5
-20	3527F95	4196^ 4	4248^ 8
-30	3722F96	4194^ 6	4248^10

High QNH **+20** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-480**
Wing A/I ON **-480**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28		3239F 2	3562F 3
26		3269F 2	3571^ 4
24		3301F 2	3587^ 4
22	2654F96	3335F 3	3604^ 4
20	2673F96	3369F 3	3622^ 5
18	2692F96	3404F 3	3639^ 5
16	2711F96	3439F 3	3659^ 5
14	2731F97	3477F 3	3677^ 5
12	2750F97	3518F 3	3696^ 6
10	2771F97	3558F 3	3716^ 6
0	2880F98	3642^ 5	3837^ 7
-10	3000F 0	3749^ 6	3930^ 9
-20	3135F 1	3867^ 8	4025^11
-30	3333F 2	3958^ 9	4119F12

High QNH **+60** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-370**
Wing A/I ON **-370**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	1864	Length	6611	Shift	**0**	Clearway	279	Stopway	279	Slope	-0.06
Rwy Rev.		Program						Rules	FAA		**19 Aug 19**

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TAR Mexico **EMB-145** **AE3007A1**

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2276'		**DT H116**	**2276'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.8	4435^28	4530^30	4561^30	4432^21	4530D30	4561D31	4610
44	88.0	4535^30	4631^31	4663^32	4530^21	4631D31	4663D32	4712
42	88.1	4635^31	4733^33	4765^33	4629^21	4733D32	4765D33	4814
40	88.2	4718^32	4816^34	4850^34	4710^22	4816D32	4850D35	4886
38	88.0	4774^33	4875^35	4908^35	4766^22	4875D32	4908D35	4946
36	87.7	4788^33	4890^35	4923^36	4780^22	4890D33	4923D36	4956
34	87.5	4793^33	4896^35	4930^36	4786^23	4896D33	4930D36	4958
32	87.3	4793^33	4896^35	4930^36	4786^23	4896D33	4930D36	4959
30	87.0	4793^33	4897^35	4932^36	4787^24	4897D34	4932D36	4961
20	85.6	4795^33	4902^35	4937^36	4792^26	4902D35	4937D36	4969
10	84.1	4787^33	4897^35	4934^36	4787^28	4897D35	4934D36	4968
0	82.6	4782^33	4895^35	4932^36	4782D31	4895D35	4932D36	4970
-10	81.1	4777^33	4893^35	4932^36	4777D33	4893D35	4932D36	4974
-20	79.5	4765^33	4885^35	4926^36	4765D33	4885D35	4926D36	4973
-30	77.9	4751^33	4875^35	4917^35	4751D33	4875D35	4917D36	4970
-40	76.3	4734^32	4863^35	4907^35	4734D32	4863D35	4907D35	4965

High QNH **+0** per .10" — Engine A/I ON **-840**
Low QNH **-170** per .10" — Wing A/I ON **-840**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	91.1	4446^28	4540^30	4572^31	4445^23	4540D30	4572D31	4610
44	91.3	4547^30	4642^32	4674^32	4544^23	4642D32	4674D32	4712
42	91.5	4647^31	4744^33	4776^33	4643^23	4744D33	4776D34	4814
40	91.6	4732^32	4830^34	4862^35	4726^24	4830D34	4862D35	4886
38	91.4	4791^33	4890^35	4923^36	4785^24	4890D35	4923D36	4946
36	91.1	4805^34	4906^35	4939^36	4799^25	4906D35	4939D36	4956
34	90.9	4811^34	4912^35	4945^36	4805^25	4912D35	4945D36	4958
32	90.6	4811^34	4913^35	4946^36	4806^26	4913D35	4946D36	4959
30	90.3	4811^34	4914^35	4947^36	4807^26	4914D36	4947D36	4961
20	88.8	4813^34	4918^35	4953^36	4812^28	4918D36	4953D36	4969
10	87.2	4805^34	4913^35	4949^36	4805D31	4913D35	4949D36	4968
0	85.7	4799^33	4909^35	4947^36	4799D33	4909D35	4947D36	4970
-10	84.1	4793^33	4908^35	4946^36	4793D33	4908D35	4946D36	4974
-20	82.5	4781^33	4900^35	4940^36	4781D33	4900D35	4940D36	4973
-30	80.9	4766^33	4890^35	4931^36	4766D33	4890D35	4931D36	4970
-40	79.2	4749^33	4877^35	4921^35	4749D33	4877D35	4921D36	4965

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-170** per .10" — Wing A/I ON **-830**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	91.1	4580^36-36-45	4647C38-38-46	4647C38-38-46	4647C38-38-46
44	91.3	4684^38-38-47	4754C39-39-48	4754C39-39-48	4754C39-39-48
42	91.5	4776F39-39-48	4860C41-41-50	4860C41-41-50	4860C41-41-50
40	91.6	4842F40-40-49	4929C42-42-51	4929C42-42-51	4929C42-42-51
38	91.4	4888F41-41-50	4960C42-42-51	4960C42-42-51	4960C42-42-51
36	91.1	4912F41-41-50	4975C42-42-51	4975C42-42-51	4975C42-42-51
34	90.9	4929F42-42-51	4977C42-42-51	4977C42-42-51	4977C42-42-51
32	90.6	4943F42-42-51	4979C42-42-51	4979C42-42-51	4979C42-42-51
30	90.3	4957F42-42-51	4981C42-42-51	4981C42-42-51	4981C42-42-51
20	88.8	4962^42-42-51	4988C43-43-51	4988C43-43-51	4988C43-43-51
10	87.2	4955^42-42-51	4986C43-43-51	4986C43-43-51	4986C43-43-51
0	85.7	4948^42-42-51	4992C43-43-52	4992C43-43-52	4992C43-43-52
-10	84.1	4943^42-42-51	4996C43-43-52	4996C43-43-52	4996C43-43-52
-20	82.5	4931^42-42-51	4993C43-43-52	4993C43-43-52	4993C43-43-52
-30	80.9	4917^41-41-50	4992C43-43-52	4992C43-43-52	4992C43-43-52
-40	79.2	4899^41-41-50	4987C43-43-51	4987C43-43-51	4987C43-43-51

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	1276	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.43
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4446^28	4540^30	4572^31	4440^28	4534^30	4566^31			
44	4547^30	4642^32	4674^32	4541^30	4637^31	4669^32			
42	4647^31	4744^33	4776^33	4642^31	4739^33	4771^33			
40	4732^32	4830^34	4862^35	4727^32	4825^34	4858^35			
38	4791^33	4890^35	4923^36	4787^33	4885^35	4919^36			
36	4805^34	4906^35	4939^36	4801^34	4901^35	4934^36			
34	4811^34	4912^35	4945^36	4806^34	4907^35	4941^36			
32	4811^34	4913^35	4946^36	4806^34	4908^35	4941^36			
30	4811^34	4914^35	4947^36	4806^34	4909^35	4942^36			
20	4813^34	4918^35	4953^36	4808^34	4913^35	4948^36			
10	4805^34	4913^35	4949^36	4730^33	4838^34	4874^35			
0	4799^33	4909^35	4947^36	4714^32	4824^34	4861^35			
-10	4793^33	4908^35	4946^36	4714^32	4827^34	4865^35			
-20	4781^33	4900^35	4940^36	4710^32	4828^34	4868^35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -830 Wing A/I ON -830			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4445^23	4540D30	4572D31	4439^22	4534D30	4566D31			
44	4544^23	4642D32	4674D32	4539^23	4637D32	4669D32			
42	4643^23	4744D33	4776D34	4638^23	4739D33	4771D34			
40	4726^24	4830D34	4862D35	4722^24	4825D34	4858D35			
38	4785^24	4890D35	4923D36	4780^24	4885D35	4919D36			
36	4799^25	4906D35	4939D36	4795^25	4901D35	4934D36			
34	4805^25	4912D35	4945D36	4800^25	4907D35	4941D36			
32	4806^26	4913D35	4946D36	4801^26	4908D35	4941D36			
30	4807^26	4914D36	4947D36	4802^26	4909D35	4942D36			
20	4812^28	4918D36	4953D36	4807^28	4913D35	4948D36			
10	4805D31	4913D35	4949D36	4730D31	4838D34	4874D35			
0	4799D33	4909D35	4947D36	4714D32	4824D34	4861D35			
-10	4793D33	4908D35	4946D36	4714D32	4827D34	4865D35			
-20	4781D33	4900D35	4940D36	4710D32	4828D34	4868D35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -830 Wing A/I ON -830			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4357F 3	4621F12	4713F16	4049F 8	4276F17	4356F20			
26	4369F 3	4634F13	4727F16	4059F 8	4287F17	4369F20			
24	4381F 3	4647F13	4741F16	4070F 8	4299F18	4381F21			
22	4393F 4	4661F13	4755F17	4081F 9	4311F18	4394F21			
20	4405F 4	4675F14	4768F17	4092F 9	4323F19	4406F22			
18	4417F 4	4688F14	4783F18	4103F 9	4335F19	4419F22			
16	4430F 5	4702F15	4797F18	4114F10	4345F19	4432F22			
14	4442F 5	4714F15	4810F18	4124F10	4356F20	4444F23			
12	4450F 6	4727F16	4823F19	4133F10	4367F20	4455F23			
10	4461F 6	4738F16	4835F19	4142F11	4378F20	4467F23			
0	4527F 8	4811F18	4899^21	4197F13	4444F22	4537F25			
-10	4593F10	4860^20	4906^24	4251F15	4511F24	4608F27			
-20	4657F12	4860^23	4907^27	4304F17	4578F26	4678F29			
-30	4715^14	4858^26	4908^30	4359F19	4649F28	4756F31			
	High QNH +20 per .10" Low QNH -70 per .10"			High QNH +50 per .10" Low QNH -70 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -750 Wing A/I ON -750			Engine A/I ON -480 Wing A/I ON -480			Engine A/I ON Wing A/I ON		

Elevation	1276	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.43
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2276'		**LT H110**	**2276'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.8	3635F13	3885F18	3964F19	3579F97	3860F 7	3953F10	4610
44	88.0	3691F13	3947F19	4027F20	3632F97	3919F 7	4013F11	4712
42	88.1	3746F14	4008F19	4089F21	3561F98	3974F 8	4071F11	4814
40	88.2	3789F15	4052F20	4136F22	3458F99	4019F 8	4117F12	4886
38	88.0	3811F15	4076F20	4160F22	3496F 0	4042F 9	4141F12	4946
36	87.7	3827F15	4094F21	4178F22	3586F 0	4060F 9	4160F12	4956
34	87.5	3838F16	4105F21	4189F23	3692F 0	4071F 9	4172F13	4958
32	87.3	3848F16	4116F21	4199F23	3787F 0	4084F10	4184F13	4959
30	87.0	3858F16	4125F21	4210F23	3797F 0	4096F10	4194F13	4961
20	85.6	3911F17	4179F22	4266F24	3853F 1	4158F12	4257F15	4969
10	84.1	3963F18	4231F23	4321F25	3908F 3	4215F13	4319F17	4968
0	82.6	4021F19	4290F24	4382F26	3971F 5	4282F15	4382D19	4970
-10	81.1	4079F20	4348F25	4443F27	4034F 7	4348D17	4443D21	4974
-20	79.5	4134F21	4406F26	4502F28	4097F 8	4406D19	4502D23	4973
-30	77.9	4187F22	4466F28	4567F29	4161F10	4466D21	4567D25	4970
-40	76.3	4243F23	4531F29	4636F31	4226F13	4531D23	4636D27	4965

High QNH **+50** per .10" Engine A/I ON **-380**
Low QNH **-130** per .10" Wing A/I ON **-380**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
46	91.1	3719F14	3963F19	4044F21	3822^96	3929D 6	3963D10	4610
44	91.3	3778F15	4028F20	4110F22	3906^96	4016D 7	4050D10	4712
42	91.5	3836F16	4091F21	4174F23	3979F97	4102D 7	4137D11	4814
40	91.6	3888F17	4147F22	4231F23	3962F97	4178D 8	4214D11	4886
38	91.4	3925F17	4184F22	4269F24	3993F98	4231D 8	4266D12	4946
36	91.1	3944F18	4204F23	4289F24	4018F98	4243D 9	4279D12	4956
34	90.9	3957F18	4217F23	4303F25	4051F99	4248D 9	4284D12	4958
32	90.6	3969F18	4229F23	4316F25	4080F99	4249D 9	4285D13	4959
30	90.3	3981F18	4241F23	4328F25	4109F99	4250D10	4286D13	4961
20	88.8	4036F20	4296F24	4385F26	4133^ 1	4252D12	4290D15	4969
10	87.2	4090F21	4349F25	4440F27	4124^ 3	4244D14	4283D15	4968
0	85.7	4145F22	4410F27	4503F28	4123^ 5	4243D14	4283D15	4970
-10	84.1	4199F23	4470F28	4567F29	4118D 7	4240D14	4282D15	4974
-20	82.5	4251F24	4530F29	4631F31	4105D 9	4232D14	4274D15	4973
-30	80.9	4306F25	4595F30	4699F32	4091D11	4221D14	4265D15	4970
-40	79.2	4364F26	4663F31	4769F33	4074D12	4209D14	4255D14	4965

High QNH **+60** per .10" Engine A/I ON **-390**
Low QNH **-140** per .10" Wing A/I ON **-390**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	91.1	3719F14-14-26	3963F19-19-30	4044F21-21-32	4129F23-23-33
44	91.3	3778F15-15-27	4028F20-20-31	4110F22-22-33	4196F23-23-34
42	91.5	3836F16-16-28	4091F21-21-32	4174F23-23-34	4261F24-24-35
40	91.6	3888F17-17-29	4147F22-22-33	4231F23-23-35	4318F25-25-36
38	91.4	3925F17-17-30	4184F22-22-34	4269F24-24-35	4357F26-26-36
36	91.1	3944F18-18-30	4204F23-23-34	4289F24-24-35	4378F26-26-37
34	90.9	3957F18-18-30	4217F23-23-34	4303F25-25-36	4393F26-26-37
32	90.6	3969F18-18-30	4229F23-23-34	4316F25-25-36	4405F27-27-37
30	90.3	3981F18-18-31	4241F23-23-35	4328F25-25-36	4418F27-27-37
20	88.8	4036F20-20-31	4296F24-24-35	4385F26-26-37	4476F28-28-38
10	87.2	4090F21-21-32	4349F25-25-36	4440F27-27-38	4536F29-29-39
0	85.7	4145F22-22-33	4410F27-27-37	4503F28-28-39	4602F30-30-40
-10	84.1	4199F23-23-34	4470F28-28-38	4567F29-29-40	4669F31-31-41
-20	82.5	4251F24-24-35	4530F29-29-39	4631F31-31-40	4736F32-32-42
-30	80.9	4306F25-25-36	4595F30-30-40	4699F32-32-41	4804F34-34-43
-40	79.2	4364F26-26-37	4663F31-31-41	4769F33-33-42	4873F35-35-44

High QNH **+60** per .10" Engine A/I ON **-390**
Low QNH **-140** per .10" Wing A/I ON **-390**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 1276 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope -0.27
Rwy Rev. Program Rules FAA **23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	3719F14	3963F19	4044F21	3711F14	3954F19	4035F21			
44	3778F15	4028F20	4110F22	3769F15	4019F20	4101F22			
42	3836F16	4091F21	4174F23	3827F16	4082F21	4165F23			
40	3888F17	4147F22	4231F23	3879F17	4138F22	4222F23			
38	3925F17	4184F22	4269F24	3916F17	4176F22	4260F24			
36	3944F18	4204F23	4289F24	3935F18	4196F23	4281F24			
34	3957F18	4217F23	4303F25	3950F18	4210F23	4296F25			
32	3969F18	4229F23	4316F25	3961F18	4221F23	4308F25			
30	3981F18	4241F23	4328F25	3972F18	4232F23	4319F25			
20	4036F20	4296F24	4385F26	4027F19	4288F24	4377F26			
10	4090F21	4349F25	4440F27	4055F20	4311F25	4403F27			
0	4145F22	4410F27	4503F28	4107F21	4371F26	4464F28			
-10	4199F23	4470F28	4567F29	4161F22	4430F27	4528F29			
-20	4251F24	4530F29	4631F31	4217F23	4495F28	4596F30			
	High QNH **+60** per .10" Low QNH **-140** per .10"			High QNH **+50** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-390** Wing A/I ON **-390**			Engine A/I ON **-10** Wing A/I ON **-10**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
46	3822^96	3929D 6	3963D10	3818^96	3925D 6	3958D10			
44	3906^96	4016D 7	4050D10	3901^96	4011D 7	4045D10			
42	3979F97	4102D 7	4137D11	3970F97	4097D 7	4132D11			
40	3962F97	4178D 8	4214D11	3953F97	4174D 7	4209D11			
38	3993F98	4231D 8	4266D12	3985F98	4227D 8	4262D11			
36	4018F98	4243D 9	4279D12	4010F98	4239D 8	4275D12			
34	4051F99	4248D 9	4284D12	4042F98	4244D 9	4281D12			
32	4080F99	4249D 9	4285D13	4071F99	4245D 9	4281D13			
30	4109F99	4250D10	4286D13	4100F99	4245D10	4282D13			
20	4133^ 1	4252D12	4290D15	4129^ 1	4248D12	4286D15			
10	4124^ 3	4244D14	4283D15	4057^ 3	4175D14	4214D14			
0	4123^ 5	4243D14	4283D15	4054^ 5	4171D13	4211D14			
-10	4118D 7	4240D14	4282D15	4054D 7	4174D13	4215D14			
-20	4105D 9	4232D14	4274D15	4049D 9	4174D13	4216D14			
	High QNH **+10** per .10" Low QNH **-140** per .10"			High QNH **+0** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-710** Wing A/I ON **-710**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28			3463F93			3359F97			
26			3503F93			3426F97			
24			3540F93			3438F97			
22			3582F93		2681F98	3449F98			
20		3261F92	3635F94		2770F98	3461F98			
18		3301F92	3688F94		2847F98	3473F98			
16		3341F92	3728F94		2957F98	3484F99			
14		3384F92	3769F95		3043F98	3497F99			
12		3422F93	3817F95		3140F97	3507F99			
10		3464F93	3859F95		3233F97	3517F 0			
0		3656F94	4082F97		3467F98	3581F 2			
-10		3707F96	4126F99		3537F 0	3647F 3			
-20		3905F97	4242^ 1		3589F 2	3712F 5			
-30		4096F99	4240^ 3			3784F 7			
	High QNH **+120** per .10" Low QNH **-160** per .10"			High QNH **+60** per .10" Low QNH **-390** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-50** Wing A/I ON **-50**			Engine A/I ON **-400** Wing A/I ON **-400**			Engine A/I ON Wing A/I ON		

Elevation 1276 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope -0.27

Rwy Rev. Program Rules FAA **23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2276'		**RT H110**	**2276'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
46	87.8	4424^28	4520^30	4552^30
44	88.0	4524^29	4621^31	4653^32
42	88.1	4623^31	4722^33	4755^33
40	88.2	4706^32	4805^34	4839^34
38	88.0	4753^33	4863^35	4897^35
36	87.7	4770^33	4878^35	4912^35
34	87.5	4774^33	4884^35	4918^35
32	87.3	4781^33	4884^35	4919^35
30	87.0	4782^33	4885^35	4921^36
20	85.6	4783^33	4890^35	4926^36
10	84.1	4775^33	4886^35	4923^36
0	82.6	4770^33	4883^35	4922^35
-10	81.1	4765^33	4882^35	4922^35
-20	79.5	4754^33	4874^35	4915^35
-30	77.9	4739^32	4865^35	4907^35
-40	76.3	4723^32	4853^34	4896^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4420^21	4520D30	4552D30	4610
4518^21	4621D31	4653D32	4712
4616F22	4722D32	4755D33	4814
4667F22	4805D32	4839D34	4886
4695F23	4863D32	4897D35	4946
4716F23	4878D33	4912D36	4956
4729F23	4884D33	4918D36	4958
4742F24	4884D33	4919D36	4959
4756F24	4885D34	4921D36	4961
4779^26	4890D35	4926D36	4969
4775^28	4886D35	4923D36	4968
4770D31	4883D35	4922D36	4970
4765D33	4882D35	4922D36	4974
4754D33	4874D35	4915D35	4973
4739D33	4865D35	4907D35	4970
4723D32	4853D34	4896D35	4965

High QNH **+0** per .10" — Engine A/I ON **-820**
Low QNH **-170** per .10" — Wing A/I ON **-820**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
46	91.1	4437^28	4531^30	4563^30
44	91.3	4537^30	4633^31	4665^32
42	91.5	4637^31	4735^33	4767^33
40	91.6	4721^32	4820^34	4853^35
38	91.4	4780^33	4880^35	4913^35
36	91.1	4795^33	4895^35	4929^36
34	90.9	4800^33	4901^35	4936^36
32	90.6	4800^33	4902^35	4937^36
30	90.3	4801^33	4903^35	4938^36
20	88.8	4802^33	4907^35	4943^36
10	87.2	4794^33	4903^35	4940^36
0	85.7	4788^33	4900^35	4938^36
-10	84.1	4783^33	4898^35	4937^36
-20	82.5	4771^33	4890^35	4931^36
-30	80.9	4756^33	4880^35	4922^36
-40	79.2	4740^32	4868^35	4911^35

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4435^23	4531D30	4563D31	4610
4533^23	4633D31	4665D32	4712
4632^24	4735D33	4767D33	4814
4715^24	4820D34	4853D35	4886
4766^25	4880D35	4913D36	4946
4784^25	4895D35	4929D36	4956
4793^26	4901D35	4936D36	4958
4794^26	4902D35	4937D36	4959
4796^27	4903D35	4938D36	4961
4801^29	4907D35	4943D36	4969
4794D31	4903D35	4940D36	4968
4788D33	4900D35	4938D36	4970
4783D33	4898D35	4937D36	4974
4771D33	4890D35	4931D36	4973
4756D33	4880D35	4922D36	4970
4740D33	4868D35	4911D35	4965

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-170** per .10" — Wing A/I ON **-830**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
46	91.1	4498F35-35-44	4641^38-38-46	4647C38-38-46	4647C38-38-46
44	91.3	4573F36-36-45	4739^39-39-48	4754C39-39-48	4754C39-39-48
42	91.5	4648F37-37-46	4835^40-40-49	4860C41-41-50	4860C41-41-50
40	91.6	4721^32-32-42	4901^41-41-50	4929C42-42-51	4929C42-42-51
38	91.4	4780^33-33-43	4941^42-42-51	4960C42-42-51	4960C42-42-51
36	91.1	4795^33-33-43	4959^42-42-51	4975C42-42-51	4975C42-42-51
34	90.9	4800^33-33-43	4966^42-42-51	4977C42-42-51	4977C42-42-51
32	90.6	4811F39-39-49	4972^42-42-51	4979C42-42-51	4979C42-42-51
30	90.3	4824F40-40-49	4977^42-42-51	4981C42-42-51	4981C42-42-51
20	88.8	4864^40-40-50	4988C43-43-51	4988C43-43-51	4988C43-43-51
10	87.2	4882^41-41-50	4986C43-43-51	4986C43-43-51	4986C43-43-51
0	85.7	4904^41-41-50	4992C43-43-52	4992C43-43-52	4992C43-43-52
-10	84.1	4925^41-41-51	4996C43-43-52	4996C43-43-52	4996C43-43-52
-20	82.5	4920^41-41-50	4993C43-43-52	4993C43-43-52	4993C43-43-52
-30	80.9	4905^41-41-50	4992C43-43-52	4992C43-43-52	4992C43-43-52
-40	79.2	4888^41-41-50	4987C43-43-51	4987C43-43-51	4987C43-43-51

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	1276	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.43
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4437^28	4531^30	4563^30	4431^28	4525^30	4557^30			
44	4537^30	4633^31	4665^32	4532^30	4627^31	4659^32			
42	4637^31	4735^33	4767^33	4633^31	4730^33	4762^33			
40	4721^32	4820^34	4853^35	4716^32	4815^34	4848^34			
38	4780^33	4880^35	4913^35	4776^33	4875^35	4909^35			
36	4795^33	4895^35	4929^36	4790^33	4891^35	4925^36			
34	4800^33	4901^35	4936^36	4795^33	4897^35	4931^36			
32	4800^33	4902^35	4937^36	4795^33	4897^35	4932^36			
30	4801^33	4903^35	4938^36	4796^33	4898^35	4933^36			
20	4802^33	4907^35	4943^36	4797^33	4903^35	4938^36			
10	4794^33	4903^35	4940^36	4720^32	4828^34	4864^35			
0	4788^33	4900^35	4938^36	4704^32	4815^34	4852^35			
-10	4783^33	4898^35	4937^36	4703^32	4818^34	4857^35			
-20	4771^33	4890^35	4931^36	4700^32	4819^34	4859^35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -830			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -830			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4435^23	4531D30	4563D31	4429^23	4525D30	4557D31			
44	4533^23	4633D31	4665D32	4528^23	4627D31	4659D32			
42	4632^24	4735D33	4767D33	4626^24	4730D33	4762D33			
40	4715^24	4820D34	4853D35	4710^24	4815D34	4848D35			
38	4766^25	4880D35	4913D36	4761^25	4875D35	4909D35			
36	4784^25	4895D35	4929D36	4780^25	4891D35	4925D36			
34	4793^26	4901D35	4936D36	4788^26	4897D35	4931D36			
32	4794^26	4902D35	4937D36	4789^26	4897D35	4932D36			
30	4796^27	4903D35	4938D36	4791^27	4898D35	4933D36			
20	4801^29	4907D35	4943D36	4796^29	4903D35	4938D36			
10	4794D31	4903D35	4940D36	4720D31	4828D34	4864D35			
0	4788D33	4900D35	4938D36	4704D32	4815D34	4852D35			
-10	4783D33	4898D35	4937D36	4703D32	4818D34	4857D35			
-20	4771D33	4890D35	4931D36	4700D32	4819D34	4859D35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -830			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -830			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4279F 5	4541F15	4629F18	3995F10	4217F19	4301F22			
26	4291F 6	4553F15	4642F19	4005F10	4229F19	4313F22			
24	4303F 6	4564F16	4655F19	4015F10	4240F20	4323F22			
22	4314F 6	4577F16	4669F19	4024F11	4252F20	4336F23			
20	4326F 7	4590F17	4682F20	4034F11	4264F20	4349F23			
18	4338F 7	4603F17	4696F20	4044F11	4276F21	4362F23			
16	4350F 8	4616F17	4710F21	4054F12	4289F21	4375F24			
14	4361F 8	4629F18	4723F21	4063F12	4300F21	4388F24			
12	4369F 8	4640F18	4735F21	4071F13	4311F22	4400F25			
10	4380F 9	4652F19	4747F22	4080F13	4322F22	4412F25			
0	4445F11	4723F21	4822F24	4134F15	4387F24	4483F27			
-10	4510F13	4796F23	4893^26	4187F17	4455F26	4555F29			
-20	4570F15	4847^25	4897^29	4242F19	4523F28	4626F30			
-30	4636F17	4848^28	4900^31	4299F21	4596F30	4725F32			
	High QNH +20 per .10"			High QNH +50 per .10"			High QNH per .10"		
	Low QNH -70 per .10"			Low QNH -70 per .10"			Low QNH per .10"		
	Engine A/I ON -670			Engine A/I ON -440			Engine A/I ON		
	Wing A/I ON -670			Wing A/I ON -440			Wing A/I ON		

Elevation 1276 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope +0.43

Rwy Rev. Program Rules FAA **23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		2276'		**RT H130**	**2276'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.8	3591F12	3827F17	3905F18	3543F98	3814F 7	3905D11	4610
44	88.0	3645F12	3888F17	3966F19	3596F98	3872F 8	3965F11	4712
42	88.1	3700F13	3948F18	4027F20	3647F98	3929F 8	4023F12	4814
40	88.2	3743F14	3994F19	4074F20	3634F99	3974F 9	4068F12	4886
38	88.0	3764F14	4016F19	4098F21	3683F99	3997F 9	4092F12	4946
36	87.7	3780F14	4033F20	4115F21	3727F99	4015F 9	4110F13	4956
34	87.5	3790F15	4043F20	4126F21	3738F 0	4026F10	4122F13	4958
32	87.3	3800F15	4053F20	4136F22	3749F 0	4037F10	4134F13	4959
30	87.0	3811F15	4063F20	4147F22	3759F 0	4049F10	4144F14	4961
20	85.6	3863F16	4116F21	4201F23	3815F 2	4108F12	4201D15	4969
10	84.1	3914F17	4167F22	4255F24	3869F 4	4164F14	4255D17	4968
0	82.6	3971F18	4224F23	4315F25	3930F 5	4224D16	4315D19	4970
-10	81.1	4020F19	4281F24	4374F26	3990F 7	4281D18	4374D21	4974
-20	79.5	4069F20	4338F25	4434F27	4048F 9	4338D20	4434D23	4973
-30	77.9	4121F21	4397F26	4497F28	4108F11	4397D22	4497D25	4970
-40	76.3	4175F22	4461F27	4561F29	4173F13	4461D24	4561D27	4965

High QNH **+50** per .10" Engine A/I ON **-370**
Low QNH **-130** per .10" Wing A/I ON **-370**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	91.1	3675F13	3904F18	3983F20	3597F99	3874F 9	3969F12	4610
44	91.3	3732F14	3967F19	4049F21	3652F99	3933F 9	4030F12	4712
42	91.5	3789F15	4029F20	4111F21	3703F99	3991F10	4089F13	4814
40	91.6	3841F16	4085F21	4168F22	3752F 0	4043F10	4141F13	4886
38	91.4	3877F16	4121F21	4205F23	3782F 0	4076F11	4174F14	4946
36	91.1	3896F17	4141F22	4225F23	3800F 1	4095F11	4195F14	4956
34	90.9	3909F17	4154F22	4239F23	3812F 1	4109F11	4209F15	4958
32	90.6	3921F17	4165F22	4251F24	3824F 1	4122F12	4223F15	4959
30	90.3	3932F17	4177F22	4263F24	3836F 2	4134F12	4236F15	4961
20	88.8	3985F19	4231F23	4319F25	3894F 3	4195F14	4301F17	4969
10	87.2	4029F19	4283F24	4374F26	3950F 5	4257F16	4366F19	4968
0	85.7	4081F20	4342F25	4436F27	4012F 7	4326F18	4436D21	4970
-10	84.1	4133F21	4402F26	4498F28	4073F 9	4397F20	4498D23	4974
-20	82.5	4184F22	4461F27	4558F29	4133F11	4461D22	4558D25	4973
-30	80.9	4238F23	4524F29	4621F30	4199F13	4524D24	4621D27	4970
-40	79.2	4295F24	4587F30	4686F32	4266F15	4587D26	4686D29	4965

High QNH **+50** per .10" Engine A/I ON **-380**
Low QNH **-140** per .10" Wing A/I ON **-380**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	91.1	3675F13-13-26	3904F18-18-29	3983F20-20-31	4067F21-21-32
44	91.3	3732F14-14-27	3967F19-19-30	4049F21-21-32	4133F22-22-33
42	91.5	3789F15-15-27	4029F20-20-31	4111F21-21-33	4197F23-23-34
40	91.6	3841F16-16-28	4085F21-21-32	4168F22-22-34	4254F24-24-35
38	91.4	3877F16-16-29	4121F21-21-33	4205F23-23-34	4292F24-24-35
36	91.1	3896F17-17-29	4141F22-22-33	4225F23-23-34	4312F25-25-36
34	90.9	3909F17-17-29	4154F22-22-33	4239F23-23-35	4327F25-25-36
32	90.6	3921F17-17-30	4165F22-22-33	4251F24-24-35	4339F25-25-36
30	90.3	3932F17-17-30	4177F22-22-34	4263F24-24-35	4352F26-26-36
20	88.8	3985F19-19-31	4231F23-23-35	4319F25-25-36	4411F27-27-37
10	87.2	4029F19-19-31	4283F24-24-35	4374F26-26-37	4468F28-28-38
0	85.7	4081F20-20-32	4342F25-25-36	4436F27-27-38	4533F29-29-39
-10	84.1	4133F21-21-33	4402F26-26-37	4498F28-28-39	4595F30-30-40
-20	82.5	4184F22-22-34	4461F27-27-38	4558F29-29-39	4656F31-31-41
-30	80.9	4238F23-23-35	4524F29-29-39	4621F30-30-40	4721F32-32-42
-40	79.2	4295F24-24-35	4587F30-30-40	4686F32-32-41	4790F33-33-43

High QNH **+50** per .10" Engine A/I ON **-380**
Low QNH **-140** per .10" Wing A/I ON **-380**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 1276 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope +0.27
Rwy Rev. Program Rules FAA **23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	3675F13	3904F18	3983F20	3667F13	3896F18	3974F20			
44	3732F14	3967F19	4049F21	3724F14	3958F19	4040F20			
42	3789F15	4029F20	4111F21	3780F15	4020F20	4103F21			
40	3841F16	4085F21	4168F22	3832F16	4076F21	4159F22			
38	3877F16	4121F21	4205F23	3868F16	4113F21	4197F23			
36	3896F17	4141F22	4225F23	3887F17	4132F21	4217F23			
34	3909F17	4154F22	4239F23	3902F17	4147F22	4232F23			
32	3921F17	4165F22	4251F24	3913F17	4158F22	4243F24			
30	3932F17	4177F22	4263F24	3924F17	4169F22	4254F24			
20	3985F19	4231F23	4319F25	3978F18	4223F23	4311F25			
10	4029F19	4283F24	4374F26	3992F19	4245F24	4335F25			
0	4081F20	4342F25	4436F27	4044F20	4304F25	4397F27			
-10	4133F21	4402F26	4498F28	4096F21	4363F26	4459F28			
-20	4184F22	4461F27	4558F29	4151F22	4427F27	4523F29			
	High QNH **+50** per .10"			High QNH **+50** per .10"			High QNH per .10"		
	Low QNH **-140** per .10"			Low QNH **-140** per .10"			Low QNH per .10"		
	Engine A/I ON **-380**			Engine A/I ON **-10**			Engine A/I ON		
	Wing A/I ON **-380**			Wing A/I ON **-10**			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	3597F99	3874F 9	3969F12	3591F98	3867F 8	3962F12			
44	3652F99	3933F 9	4030F12	3646F99	3927F 9	4023F12			
42	3703F99	3991F10	4089F13	3698F99	3984F 9	4082F13			
40	3752F 0	4043F10	4141F13	3746F 0	4036F10	4134F13			
38	3782F 0	4076F11	4174F14	3775F 0	4069F10	4167F14			
36	3800F 1	4095F11	4195F14	3794F 1	4089F11	4188F14			
34	3812F 1	4109F11	4209F15	3806F 1	4104F11	4204F15			
32	3824F 1	4122F12	4223F15	3819F 1	4116F12	4217F15			
30	3836F 2	4134F12	4236F15	3830F 2	4128F12	4230F15			
20	3894F 3	4195F14	4301F17	3888F 3	4189F14	4295F17			
10	3950F 5	4257F16	4366F19	3918F 5	4222F16	4331F19			
0	4012F 7	4326F18	4436D21	3978F 7	4291F18	4397D21			
-10	4073F 9	4397F20	4498D23	4039F 9	4362F20	4459D23			
-20	4133F11	4461D22	4558D25	4103F11	4427D22	4523D25			
	High QNH **+60** per .10"			High QNH **+60** per .10"			High QNH per .10"		
	Low QNH **-130** per .10"			Low QNH **-130** per .10"			Low QNH per .10"		
	Engine A/I ON **-350**			Engine A/I ON **-10**			Engine A/I ON		
	Wing A/I ON **-350**			Wing A/I ON **-10**			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3252F91	3639F94		2826F98	3397F98			
26		3300F92	3677F94		2907F97	3409F98			
24		3385F92	3708F94		2983F97	3420F99			
22		3452F92	3746F94		3066F97	3431F99			
20		3469F93	3783F95		3142F97	3442F99			
18		3505F93	3818F95		3226F97	3454F 0			
16		3540F93	3858F95		3324F97	3466F 0			
14		3576F93	3896F95		3372F97	3476F 0			
12		3613F94	3942F96		3382F98	3487F 1			
10		3649F94	3987F96		3393F98	3497F 1			
0		3821F95	4102F98		3454F 0	3562F 3			
-10		3867F97	4142F99		3515F 1	3625F 5			
-20		4047F98			3578F 3	3691F 7			
-30		4180^ 0	4220^98		3644F 5	3760F 9			
	High QNH **+10** per .10"			High QNH **+50** per .10"			High QNH per .10"		
	Low QNH **-340** per .10"			Low QNH **-370** per .10"			Low QNH per .10"		
	Engine A/I ON **-500**			Engine A/I ON **-350**			Engine A/I ON		
	Wing A/I ON **-500**			Wing A/I ON **-350**			Wing A/I ON		

Elevation 1276 Length 5906 Shift **0** Clearway 0 Stopway 0 Slope +0.27

Rwy Rev. Program Rules FAA **23 Aug 18**

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MORELIA -MLM 05 *RT MLM

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7033'		*RT MLM	7033'	STD

*IF MLM VOR OTS DT H050

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	89.0	4068^23	4151^24	4178^25	4068D19	4151D24	4178D25	4234
34	89.2	4146^24	4229^26	4257^26	4146D20	4229D26	4257D26	4312
32	89.5	4223^25	4308^27	4336^27	4222^20	4308D27	4336D27	4390
30	89.7	4303^26	4388^28	4417^28	4301^21	4388D28	4417D29	4471
28	89.8	4385^28	4471^29	4500^30	4382^21	4471D29	4500D30	4556
26	89.9	4467^29	4553^30	4582^31	4462^21	4553D30	4582D31	4640
24	90.0	4547^30	4634^31	4663^32	4541^22	4634D31	4663D32	4724
22	90.1	4590^30	4679^32	4708^33	4584^22	4679D32	4708D33	4765
20	90.2	4592^30	4681^32	4710^33	4587^23	4681D32	4710D33	4770
18	89.9	4592^30	4682^32	4712^33	4588^23	4682D32	4712D33	4772
16	89.6	4593^30	4683^32	4713^33	4590^23	4683D32	4713D33	4773
10	88.7	4593^30	4685^32	4715^33	4592^25	4685D32	4715D33	4777
0	87.1	4587^30	4682^32	4713^33	4587D27	4682D32	4713D33	4779
-10	85.5	4574^30	4671^32	4703^32	4574D30	4671D32	4703D33	4772
-20	83.9	4566^30	4667^32	4700^32	4566D30	4667D32	4700D32	4773
-30	82.2	4550^30	4654^32	4688^32	4550D30	4654D32	4688D32	4766

High QNH **+100** per .10" Engine A/I ON **-4030**
Low QNH **-170** per .10" Wing A/I ON **-4030**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	92.4	4078^23	4160^25	4187^25	4078D21	4160D25	4187D25	4234
34	92.7	4157^24	4239^26	4267^26	4157D22	4239D26	4267D26	4312
32	93.0	4234^25	4318^27	4345^27	4234D22	4318D27	4345D27	4390
30	93.2	4314^27	4398^28	4427^29	4314^22	4398D28	4427D29	4471
28	93.5	4396^28	4481^29	4509^30	4395^23	4481D29	4509D30	4556
26	93.8	4478^29	4564^30	4593^31	4476^23	4564D31	4593D31	4640
24	93.9	4560^30	4646^32	4675^32	4556^24	4646D32	4675D32	4724
22	93.8	4604^31	4692^32	4721^33	4601^24	4692D32	4721D33	4765
20	93.6	4610^31	4697^32	4726^33	4607^25	4697D32	4726D33	4770
18	93.3	4610^31	4698^32	4727^33	4608^26	4698D32	4727D33	4772
16	93.0	4610^31	4699^32	4729^33	4609^26	4699D32	4729D33	4773
10	92.0	4611^31	4701^32	4731^33	4611D28	4701D32	4731D33	4777
0	90.3	4604^31	4697^32	4728^33	4604D30	4697D32	4728D33	4779
-10	88.7	4590^30	4686^32	4718^33	4590D31	4686D32	4718D33	4772
-20	87.0	4583^30	4682^32	4715^33	4583D30	4682D32	4715D33	4773
-30	85.2	4565^30	4668^32	4702^32	4565D30	4668D32	4702D32	4766

High QNH **+100** per .10" Engine A/I ON **-4070**
Low QNH **-170** per .10" Wing A/I ON **-4070**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
36	92.4	4202^31-31-39	4281^32-32-41	4290C33-33-41	4290C33-33-41
34	92.7	4283^32-32-41	4362^34-34-42	4370C34-34-42	4370C34-34-42
32	93.0	4363^33-33-42	4443^35-35-43	4448C35-35-43	4448C35-35-43
30	93.2	4445^35-35-43	4526^36-36-45	4526C36-36-45	4526C36-36-45
28	93.5	4529^36-36-45	4611^37-37-46	4613C37-37-46	4613C37-37-46
26	93.8	4614^37-37-46	4695^38-38-47	4699C39-39-47	4699C39-39-47
24	93.9	4686T38-38-47	4781^40-40-49	4785C40-40-49	4785C40-40-49
22	93.8	4720T38-38-48	4829C40-40-49	4829C40-40-49	4829C40-40-49
20	93.6	4751^39-39-48	4833C40-40-49	4833C40-40-49	4833C40-40-49
18	93.3	4751^39-39-48	4835C40-40-49	4835C40-40-49	4835C40-40-49
16	93.0	4752^39-39-48	4837C40-40-49	4837C40-40-49	4837C40-40-49
10	92.0	4752^39-39-48	4839^40-40-49	4841C41-41-49	4841C41-41-49
0	90.3	4747^39-39-48	4836^40-40-49	4848C41-41-50	4848C41-41-50
-10	88.7	4733^39-39-48	4824^40-40-49	4839C40-40-49	4839C40-40-49
-20	87.0	4725^39-39-48	4820^40-40-49	4841C41-41-49	4841C41-41-49
-30	85.2	4707^38-38-47	4806^40-40-49	4836C40-40-49	4836C40-40-49

High QNH **+90** per .10" Engine A/I ON **-4160**
Low QNH **-180** per .10" Wing A/I ON **-4160**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6033 Length 11181 Shift **0** Clearway 0 Stopway 0 Slope +0.01
Rwy Rev. Program Rules FAA **17 May 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4078^23	4160^25	4187^25	4073^23	4155^24	4182^25			
34	4157^24	4239^26	4267^26	4152^24	4235^26	4262^26			
32	4234^25	4318^27	4345^27	4230^25	4314^27	4342^27			
30	4314^27	4398^28	4427^29	4310^26	4394^28	4423^29			
28	4396^28	4481^29	4509^30	4392^28	4477^29	4505^30			
26	4478^29	4564^30	4593^31	4474^29	4518^30	4588^31			
24	4560^30	4646^32	4675^32	4557^30	4644^32	4672^32			
22	4604^31	4692^32	4721^33	4602^31	4690^32	4719^33			
20	4610^31	4697^32	4726^33	4608^31	4695^32	4724^33			
18	4610^31	4698^32	4727^33	4608^31	4697^32	4726^33			
16	4610^31	4699^32	4729^33	4609^31	4697^32	4727^33			
10	4611^31	4701^32	4731^33	4204^25	4292^26	4321^27			
0	4604^31	4697^32	4728^33	4536^30	4628^31	4659^32			
-10	4590^30	4686^32	4718^33	4527^29	4622^31	4653^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4078D21	4160D25	4187D25	4073D21	4155D25	4182D25			
34	4157D22	4239D26	4267D26	4152D21	4235D26	4262D26			
32	4234D22	4318D27	4345D27	4230D22	4314D27	4342D27			
30	4314^22	4398D28	4427D29	4310^22	4394D28	4423D29			
28	4395^23	4481D29	4509D30	4391^23	4477D29	4505D30			
26	4476^23	4564D31	4593D31	4472^23	4518D30	4588D31			
24	4556^24	4646D32	4675D32	4553^23	4644D32	4672D32			
22	4601^24	4692D32	4721D33	4599^24	4690D32	4719D33			
20	4607^25	4697D32	4726D33	4605^25	4695D32	4724D33			
18	4608^26	4698D32	4727D33	4606^26	4697D32	4726D33			
16	4609^26	4699D32	4729D33	4607^26	4697D32	4727D33			
10	4611D28	4701D32	4731D33	4204D25	4292D27	4321D27			
0	4604D30	4697D32	4728D33	4536D30	4628D31	4659D32			
-10	4590D31	4686D32	4718D33	4527D30	4622D31	4653D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4059F 1	4290F10	4369F13	3787F 5	3990F13	4054F16			
26	4120F 1	4353F10	4433F13	3850F 6	4056F14	4122F16			
24	4182F 2	4418F11	4500F13	3915F 6	4124F14	4192F17			
22	4227F 2	4467F11	4550F14	3965F 7	4180F15	4251F18			
20	4254F 3	4498F12	4582F15	3996F 7	4217F16	4293F18			
18	4266F 3	4511F12	4593F15	4008F 8	4232F16	4305F19			
16	4279F 4	4525F13	4607F16	4018F 8	4241F16	4317F19			
14	4290F 4	4538F13	4621F16	4029F 8	4253F17	4327F20			
12	4301F 4	4551F13	4635F16	4040F 9	4267F17	4339F20			
10	4313F 5	4562F14	4649F17	4051F 9	4277F18	4351F20			
0	4373F 7	4629F16	4683^19	4103F11	4335F19	4409F22			
-10	4436F 9	4642^18	4681^22	4158F13	4393F21	4469F24			
-20	4502F11	4645^21	4685^24	4216F15	4453F23	4533F26			
-30	4518^13	4640^24	4681^27	4274F17	4513F25	4595F28			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-3040** Wing A/I ON **-3040**			Engine A/I ON **-1750** Wing A/I ON **-1750**			Engine A/I ON Wing A/I ON		

Elevation 6033 Length 11181 Shift **0** Clearway 0 Stopway 0 Slope +0.01

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TAR Mexico **EMB-145** **AE3007A1**

MORELIA -MLM 23 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7033'		***RT MLM**	**7400'**	**STD**

*IF MLM VOR OTS RT H010

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	89.0	3995^21	4116^24	4158^24	3995D20	4116D24	4158D25	4234
34	89.2	4067^22	4189^25	4232^26	4067D20	4189D25	4232D26	4312
32	89.5	4138^24	4263^26	4305^27	4138D21	4263D26	4305D27	4390
30	89.7	4210^25	4337^27	4381^28	4210D21	4337D27	4381D28	4471
28	89.8	4284^26	4412^28	4456^29	4284D22	4412D28	4456D29	4556
26	89.9	4357^27	4488^29	4533^30	4357D22	4488D29	4533D30	4640
24	90.0	4428^28	4561^30	4607^31	4428^22	4561D30	4607D31	4724
22	90.1	4469^28	4603^31	4649^31	4469^23	4603D31	4649D32	4765
20	90.2	4478^28	4613^31	4658^32	4478D23	4613D31	4658D32	4770
18	89.9	4481^28	4616^31	4662^32	4481^24	4616D31	4662D32	4772
16	89.6	4484^29	4619^31	4665^32	4484D24	4619D31	4665D32	4773
10	88.7	4492^29	4628^31	4674^32	4492D26	4628D31	4674D32	4777
0	87.1	4500^29	4638^31	4685^32	4500D28	4638D31	4685D32	4779
-10	85.5	4503^29	4642^31	4690^32	4503D29	4642D31	4690D32	4772
-20	83.9	4510^29	4650^31	4700^32	4510D29	4650D32	4700D32	4773
-30	82.2	4508^29	4652^32	4688^32	4508D29	4652D32	4688D32	4766

High QNH **+100** per .10" Engine A/I ON **-3910**
Low QNH **-160** per .10" Wing A/I ON **-3910**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	92.4	3998^21	4119^24	4161^25	3998D22	4119D24	4161D25	4234
34	92.7	4070^23	4193^25	4234^26	4070D22	4193D25	4234D26	4312
32	93.0	4142^24	4266^26	4308^27	4142D23	4266D26	4308D27	4390
30	93.2	4214^25	4340^27	4384^28	4214D23	4340D27	4384D28	4471
28	93.5	4289^26	4417^28	4460^29	4289D23	4417D28	4460D29	4556
26	93.8	4361^27	4491^29	4536^30	4361D24	4491D29	4536D30	4640
24	93.9	4433^28	4565^30	4610^31	4433D24	4565D30	4610D31	4724
22	93.8	4474^28	4607^31	4653^32	4474D25	4607D31	4653D32	4765
20	93.6	4484^29	4617^31	4663^32	4484D26	4617D31	4663D32	4770
18	93.3	4487^29	4621^31	4667^32	4487D26	4621D31	4667D32	4772
16	93.0	4487^29	4624^31	4670^32	4487D27	4624D31	4670D32	4773
10	92.0	4498^29	4633^31	4679^32	4498D28	4633D31	4679D32	4777
0	90.3	4506^29	4643^31	4690^32	4506D29	4643D31	4690D32	4779
-10	88.7	4509^29	4647^31	4695^32	4509D29	4647D31	4695D32	4772
-20	87.0	4514^29	4655^32	4704^32	4514D29	4655D32	4704D32	4773
-30	85.2	4513^29	4656^32	4702^32	4513D29	4656D32	4702D32	4766

High QNH **+100** per .10" Engine A/I ON **-3920**
Low QNH **-170** per .10" Wing A/I ON **-3920**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
36	92.4	4066^28-28-37	4185^31-31-39	4227^31-31-40	4268^32-32-41
34	92.7	4139^29-29-38	4261^32-32-40	4302^32-32-41	4345^33-33-42
32	93.0	4211^30-30-40	4335^33-33-42	4377^34-34-42	4420^34-34-43
30	93.2	4284^32-32-41	4410^34-34-43	4453^35-35-43	4497^36-36-44
28	93.5	4359^33-33-42	4486^35-35-44	4530^36-36-45	4574^37-37-45
26	93.8	4434^34-34-43	4563^36-36-45	4607^37-37-46	4651^38-38-47
24	93.9	4506^35-35-44	4637^37-37-46	4682^38-38-47	4727^39-39-48
22	93.8	4548^35-35-45	4681^38-38-47	4726^39-39-48	4772^39-39-48
20	93.6	4560^36-36-45	4692^38-38-47	4737^39-39-48	4784^40-40-49
18	93.3	4562^36-36-45	4695^38-38-47	4741^39-39-48	4787^40-40-49
16	93.0	4565^36-36-45	4698^38-38-47	4744^39-39-48	4790^40-40-49
10	92.0	4574^36-36-45	4707^38-38-47	4754^39-39-48	4801^40-40-49
0	90.3	4582^36-36-45	4718^38-38-48	4765^39-39-48	4812^40-40-49
-10	88.7	4584^36-36-45	4722^38-38-48	4770^39-39-48	4817^40-40-49
-20	87.0	4590^36-36-46	4729^39-39-48	4778^39-39-48	4826^40-40-49
-30	85.2	4588^36-36-46	4729^39-39-48	4778^39-39-48	4828^40-40-49

High QNH **+100** per .10" Engine A/I ON **-4000**
Low QNH **-170** per .10" Wing A/I ON **-4000**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6033 Length 11181 Shift **0** Clearway 0 Stopway 0 Slope -0.01
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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	3821^18	3953^21	3992^21	3987^21	4107^24	4149^24			
34	3892^19	4029^22	4067^22	4059^22	4182^25	4224^25			
32	3962^20	4104^23	4143^24	4131^23	4256^26	4299^27			
30	4035^21	4182^24	4222^25	4204^25	4330^27	4374^28			
28	4110^22	4259^25	4301^26	4278^26	4405^28	4450^29			
26	4183^23	4336^26	4381^27	4351^27	4481^29	4525^30			
24	4256^25	4410^27	4459^28	4422^28	4555^30	4600^31			
22	4294^25	4449^28	4498^29	4464^28	4598^31	4644^31			
20	4299^25	4455^28	4504^29	4475^28	4608^31	4655^32			
18	4302^25	4458^28	4506^29	4478^28	4612^31	4658^32			
16	4302^25	4460^28	4507^29	4480^28	4615^31	4661^32			
10	4306^25	4464^28	4507^29	4112^23	4239^26	4283^26			
0	4306^25	4458^28	4502^29	4439^28	4575^30	4622^31			
-10	4301^25	4445^28	4490^29	4458^28	4595^31	4642^32			
	High QNH +90 per .10" Low QNH -160 per .10"			High QNH +100 per .10" Low QNH -190 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -3980 Wing A/I ON -3980			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	3821D18	3953D21	3992D21	3987D21	4107D24	4149D24			
34	3892D19	4029D22	4067D23	4059D22	4182D25	4224D25			
32	3962D20	4104D23	4143D24	4131D22	4256D26	4299D27			
30	4035D21	4182D24	4222D25	4204D23	4330D27	4374D28			
28	4110D23	4259D25	4301D26	4278D23	4405D28	4450D29			
26	4183D24	4336D26	4381D27	4351D24	4481D29	4525D30			
24	4256D25	4410D28	4459D28	4422D24	4555D30	4600D31			
22	4294D25	4449D28	4498D29	4464D25	4598D31	4644D31			
20	4299D25	4455D28	4504D29	4475D26	4608D31	4655D32			
18	4302D25	4458D28	4506D29	4478D26	4612D31	4658D32			
16	4302D25	4460D28	4507D29	4480D27	4615D31	4661D32			
10	4306D25	4464D28	4507D29	4112D23	4239D26	4283D26			
0	4306D25	4458D28	4502D29	4439D28	4575D30	4622D31			
-10	4301D25	4445D28	4490D29	4458D28	4595D31	4642D32			
	High QNH +90 per .10" Low QNH -160 per .10"			High QNH +100 per .10" Low QNH -190 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -3980 Wing A/I ON -3980			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4061F 1	4292F10	4371F13	3789F 5	3992F13	4056F16			
26	4122F 1	4355F10	4435F13	3853F 6	4058F14	4124F16			
24	4183F 2	4420F10	4502F13	3917F 6	4126F14	4194F17			
22	4229F 2	4469F11	4552F14	3964F 7	4181F15	4253F18			
20	4256F 3	4500F12	4581F15	3998F 7	4218F16	4294F18			
18	4268F 3	4513F12	4595F15	4009F 8	4231F16	4307F19			
16	4280F 4	4527F13	4612F15	4020F 8	4245F16	4317F19			
14	4292F 4	4540F13	4623F16	4030F 8	4254F17	4329F19			
12	4302F 4	4553F13	4637F16	4041F 9	4268F17	4343F20			
10	4315F 5	4566F14	4650^17	4052F 9	4278F17	4353F20			
0	4375F 7	4615^16	4664^19	4104F11	4338F19	4411F22			
-10	4438F 9	4622^18	4673^22	4160F13	4395F21	4471F24			
-20	4484^11	4634^21	4686^24	4218F15	4455F23	4534F26			
-30	4487^13	4639^24	4681^27	4275F17	4515F25	4597F28			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +110 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -3450 Wing A/I ON -3450			Engine A/I ON -1750 Wing A/I ON -1750			Engine A/I ON Wing A/I ON		

Elevation 6033 Length 11181 Shift **0** Clearway 0 Stopway 0 Slope -0.01

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OAXACA -OAX 01 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		**D6.2 OAX**		**LT OAX**	**6400'**	**STD**

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	3766^17	3912^20	3963^21	3712F 5	3912^14	3963D17	4256
38	88.8	3835F18	3988^21	4040^22	3765F 5	3985^14	4040D17	4341
36	89.2	3892F19	4058^22	4107^23	3819F 6	4044^15	4107D18	4425
34	89.5	3947F19	4119^23	4168^24	3870F 6	4104^15	4168D18	4503
32	89.9	3998F20	4179^24	4227^24	3920F 7	4160^16	4225^19	4580
30	90.2	4051F21	4239^24	4285^25	3969F 7	4217^16	4280^19	4661
28	90.1	4106F22	4305^25	4348^26	4023F 7	4280^17	4340^20	4750
26	90.0	4162F22	4371^26	4412^27	4076F 8	4342^17	4401^20	4838
24	89.9	4196F23	4408^27	4450^28	4109F 8	4378^18	4438^21	4879
22	89.8	4209F23	4418^27	4459^28	4122F 9	4390^18	4449^21	4884
20	89.7	4222F23	4428^27	4471^28	4136F 9	4401^18	4462^22	4886
18	89.4	4233F24	4436^27	4481^28	4148F 9	4411^19	4475^22	4888
10	88.2	4278F24	4468^28	4521^29	4197F11	4450^20	4521D23	4893
0	86.6	4313^25	4484^28	4543^29	4254F13	4484^22	4543D26	4888
-10	85.0	4314^25	4488^28	4547^29	4310^14	4488D25	4547D28	4888
-20	83.4	4313^25	4489^28	4550^29	4312^17	4489D27	4550D29	4887

High QNH **+40** per .10" Engine A/I ON **-2500**
Low QNH **-160** per .10" Wing A/I ON **-2500**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.9	3771^17	3918^20	3968^21	3765^ 6	3918D16	3968D19	4256
38	92.2	3844^18	3993^21	4045^22	3825F 6	3993D16	4045D19	4341
36	92.5	3916^19	4067^22	4119^23	3879F 7	4066^16	4119D20	4425
34	92.9	3984^20	4137^23	4190^24	3931F 7	4136^17	4190D20	4503
32	93.3	4051^21	4207^24	4261^25	3980F 8	4205^17	4261^20	4580
30	93.7	4123^22	4282^25	4336^26	4029F 8	4261^18	4333^21	4661
28	93.7	4197F23	4354^26	4406^27	4083F 9	4323^18	4396^21	4750
26	93.8	4254F24	4418^27	4471^28	4138F 9	4387^19	4457^22	4838
24	93.6	4302F25	4463^28	4518^29	4180F10	4430^19	4501^22	4879
22	93.3	4316^25	4482^28	4538^29	4209F10	4453^20	4530^23	4884
20	93.0	4319^25	4484^28	4540^29	4222F11	4466^20	4539^24	4886
18	92.7	4320^25	4486^28	4543^29	4235F11	4477^21	4543^24	4888
10	91.4	4325^25	4493^28	4551^29	4285F12	4492^23	4551D26	4893
0	89.8	4322^25	4492^28	4551^29	4315^15	4492D25	4551D28	4888
-10	88.1	4322^25	4495^28	4554^29	4319^17	4495D27	4554D30	4888
-20	86.4	4321^25	4496^28	4556^29	4321D19	4496D28	4556D30	4887

High QNH **+60** per .10" Engine A/I ON **-2690**
Low QNH **-160** per .10" Wing A/I ON **-2690**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.9	3771^17-17-27	3918^20-20-30	3968^21-21-31	4019^22-22-31
38	92.2	3844^18-18-28	3993^21-21-31	4045^22-22-32	4097^23-23-33
36	92.5	3916^19-19-30	4067^22-22-32	4119^23-23-33	4172^24-24-34
34	92.9	3984^20-20-31	4137^23-23-33	4190^24-24-34	4244^25-25-35
32	93.3	4051^21-21-32	4207^24-24-34	4261^25-25-35	4315^26-26-36
30	93.7	4123^22-22-33	4282^25-25-35	4336^26-26-36	4391^27-27-37
28	93.7	4197F23-23-34	4354^26-26-36	4406^27-27-37	4459^28-28-38
26	93.8	4254F24-24-35	4418^27-27-37	4471^28-28-38	4526^29-29-39
24	93.6	4302F25-25-36	4463^28-28-38	4518^29-29-39	4572^30-30-40
22	93.3	4316^25-25-36	4482^28-28-38	4538^29-29-39	4596^30-30-40
20	93.0	4319^25-25-36	4484^28-28-38	4540^29-29-39	4599^30-30-40
18	92.7	4320^25-25-36	4486^28-28-38	4543^29-29-39	4601^30-30-40
10	91.4	4325^25-25-36	4493^28-28-39	4551^29-29-39	4609^30-30-40
0	89.8	4322^25-25-36	4506^34-34-44	4551^29-29-39	4611^30-30-40
-10	88.1	4373F32-32-42	4547^35-35-45	4601^36-36-46	4658^37-37-47
-20	86.4	4387^32-32-42	4562^35-35-45	4622^36-36-46	4683^37-37-47

High QNH **+30** per .10" Engine A/I ON **-2050**
Low QNH **-160** per .10" Wing A/I ON **-2050**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4989 Length 8038 Shift **0** Clearway 0 Stopway 0 Slope +0.29
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	3771^17	3918^20	3968^21
38	3844^18	3993^21	4045^22
36	3916^19	4067^22	4119^23
34	3984^20	4137^23	4190^24
32	4051^21	4207^24	4261^25
30	4123^22	4282^25	4336^26
28	4197F23	4354^26	4406^27
26	4254F24	4418^27	4471^28
24	4302F25	4463^28	4518^29
22	4316^25	4482^28	4538^29
20	4319^25	4484^28	4540^29
18	4320^25	4486^28	4543^29
10	4325^25	4493^28	4551^29
0	4322^25	4492^28	4551^29

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-2690**
Wing A/I ON **-2690**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	3767^17	3914^20	3964^21
38	3840^18	3989^21	4040^22
36	3912^19	4063^22	4115^23
34	3980^20	4134^23	4186^24
32	4048^21	4204^24	4258^25
30	4120^22	4278^25	4332^26
28	4186F23	4346^26	4399^27
26	4244F24	4412^27	4465^28
24	4292F25	4456^28	4511^29
22	4314^25	4479^28	4535^29
20	4316^25	4481^28	4538^29
18	4318^25	4483^28	4541^29
10	4063^21	4224^24	4279^25
0	4258^24	4427^27	4484^28

High QNH **+60** per .10"
Low QNH **-190** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

DRY - Flaps

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	3765^ 6	3918D16	3968D19
38	3825F 6	3993D16	4045D19
36	3879F 7	4066^16	4119D20
34	3931F 7	4136^17	4190D20
32	3980F 8	4205^17	4261^20
30	4029F 8	4261^18	4333^21
28	4083F 9	4323^18	4396^21
26	4138F 9	4387^19	4457^22
24	4180F10	4430^19	4501^22
22	4209F10	4453^20	4530^23
20	4222F11	4466^20	4539^24
18	4235F11	4477^21	4543^24
10	4285F12	4492^23	4551D26
0	4315^15	4492D25	4551D28

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-2680**
Wing A/I ON **-2680**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	3761^ 6	3914D15	3964D19
38	3818F 6	3989D16	4040D19
36	3872F 7	4063^16	4115D19
34	3923F 7	4132^17	4186D20
32	3973F 8	4200^17	4257^20
30	4022F 8	4255^18	4327^21
28	4077F 8	4318^18	4388^21
26	4131F 9	4382^18	4450^22
24	4173F 9	4424^19	4495^22
22	4203F10	4447^20	4523^23
20	4216F11	4459^20	4535^23
18	4228F11	4471^21	4540^24
10	4061^13	4224D24	4279D26
0	4253^15	4427D25	4484D28

High QNH **+50** per .10"
Low QNH **-190** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - Flaps

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28		3795F98	3873F 1
26		3850F98	3932F 1
24		3890F98	3972F 1
22		3914F99	3995F 2
20		3925F99	4006F 2
18		3937F 0	4018F 3
16		3948F 0	4028F 3
14		3960F 0	4041F 3
12		3970F 1	4053F 4
10		3982F 1	4065F 4
0		4034F 3	4120F 6
-10	2691F 0	4095F 5	4185F 8
-20	3373F99	4159F 7	4253F10
-30	3957F99	4224F 9	4323F12

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-1430**
Wing A/I ON **-1430**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	2912F95	3297F 3	3443F 5
26	2968F96	3350F 3	3525F 5
24	3013F96	3410F 4	3574F 6
22	3060F97	3476F 4	3615F 7
20	3069F97	3502F 4	3630F 7
18	3085F97	3525F 5	3649F 7
16	3102F97	3535F 5	3667F 7
14	3115F98	3548F 5	3676F 7
12	3131F98	3561F 5	3709F 8
10	3145F98	3577F 6	3737F 8
0	3220F 0	3659F 7	3873F 9
-10	3308F 1	3790F 8	3981F10
-20	3404F 2	3918F10	4004^11
-30	3515F 4	3943^10	3993^11

High QNH **+50** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-290**
Wing A/I ON **-290**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	4989	Length	8038	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.29
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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OAXACA -OAX 19 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D11.0 OAX		***LT H340**	**5989'**	

*INTERCEPT OAX R-194 (014 INBND) HOLD AT OAX VOR LEFT TURNS

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	88.5	3831^18	3970^21	4013^22	3776^ 5	3964^14	4013D17	4256
38	88.8	3893^19	4035^22	4079^23	3834^ 5	4026^15	4079D18	4341
36	89.2	3954^20	4100^23	4145^24	3893F 6	4086^15	4145D18	4425
34	89.5	4013^21	4162^24	4208^24	3946F 6	4145^16	4208D19	4503
32	89.9	4069^22	4221^24	4268^25	3996F 6	4201^16	4265^19	4580
30	90.2	4125^22	4280^25	4329^26	4046F 7	4258^17	4323^20	4661
28	90.1	4186^23	4345^26	4395^27	4100F 7	4319^17	4386^20	4750
26	90.0	4247^24	4409^27	4461^28	4154F 8	4379^17	4449^21	4838
24	89.9	4283^24	4446^27	4498^28	4188F 8	4416^18	4486^21	4879
22	89.8	4294^25	4457^28	4509^29	4202F 9	4428^18	4497^21	4884
20	89.7	4305^25	4468^28	4520^29	4216F 9	4441^19	4510^22	4886
18	89.4	4314^25	4477^28	4529^29	4228F 9	4451^19	4521^22	4888
10	88.2	4351^26	4513^29	4565^30	4277F11	4496^21	4565^24	4893
0	86.6	4391^26	4551^29	4602^30	4327^13	4544^23	4602D26	4888
-10	85.0	4436^27	4595^30	4653^31	4383^15	4595D25	4653D28	4888
-20	83.4	4481^28	4643^31	4707^32	4438^17	4643D27	4707D30	4887

High QNH **+40** per .10" — Engine A/I ON **-1690**
Low QNH **-150** per .10" — Wing A/I ON **-1690**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	91.9	3886^19	4017^22	4070^23	3821^ 6	4008^16	4070D19	4256
38	92.2	3949^20	4083^23	4134^24	3879^ 6	4071^16	4134D19	4341
36	92.5	4012^21	4150^24	4198^25	3937^ 7	4133^16	4198D20	4425
34	92.9	4072^22	4213^25	4258^25	3992^ 7	4192^17	4258D20	4503
32	93.3	4129^23	4272^25	4317^26	4045^ 8	4249^17	4314^21	4580
30	93.7	4185^23	4333^26	4378^27	4098^ 8	4305^18	4371^21	4661
28	93.7	4249^24	4399^27	4447^28	4157^ 8	4368^18	4435^22	4750
26	93.8	4313^25	4467^28	4515^29	4216F 9	4431^19	4500^22	4838
24	93.6	4357^26	4512^29	4560^30	4258F 9	4474^19	4544^23	4879
22	93.3	4384^26	4537^29	4585^30	4281^10	4500^20	4569^23	4884
20	93.0	4394^27	4546^29	4594^30	4292^10	4511^21	4581^24	4886
18	92.7	4403^27	4555^29	4602^30	4302^11	4523^21	4592^24	4888
10	91.4	4439^27	4590^30	4644^31	4347^12	4566^23	4644^26	4893
0	89.8	4477^28	4629^31	4691^32	4397^14	4620^25	4691D28	4888
-10	88.1	4522^29	4683^32	4744^33	4454^16	4683D27	4744D30	4888
-20	86.4	4565^30	4733^33	4794^34	4511^19	4733D29	4794D32	4887

High QNH **+40** per .10" — Engine A/I ON **-1650**
Low QNH **-160** per .10" — Wing A/I ON **-1650**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
40	91.9	3886^19-19-29	4017^22-22-31	4070^23-23-32	4123^24-24-33
38	92.2	3949^20-20-30	4083^23-23-32	4134^24-24-33	4190^25-25-34
36	92.5	4012^21-21-31	4150^24-24-33	4198^25-25-34	4255^26-26-35
34	92.9	4072^22-22-32	4213^25-25-34	4258^25-25-35	4316^26-26-36
32	93.3	4129^23-23-33	4272^25-25-35	4317^26-26-36	4375^27-27-37
30	93.7	4185^23-23-34	4333^26-26-36	4378^27-27-37	4434^28-28-38
28	93.7	4249^24-24-35	4399^27-27-37	4447^28-28-38	4499^29-29-39
26	93.8	4313^25-25-36	4467^28-28-38	4515^29-29-39	4564^30-30-40
24	93.6	4357^26-26-36	4512^29-29-39	4560^30-30-40	4611^30-30-40
22	93.3	4384^26-26-37	4537^29-29-39	4585^30-30-40	4642^31-31-41
20	93.0	4394^27-27-37	4546^29-29-39	4594^30-30-40	4653^31-31-41
18	92.7	4403^27-27-37	4555^29-29-39	4602^30-30-40	4664^31-31-41
10	91.4	4439^27-27-38	4590^30-30-40	4644^31-31-41	4707^32-32-42
0	89.8	4477^28-28-38	4629^31-31-41	4691^32-32-41	4753^33-33-42
-10	88.1	4522^29-29-39	4683^32-32-41	4744^33-33-42	4805^34-34-43
-20	86.4	4565^30-30-40	4733^33-33-42	4794^34-34-43	4856^35-35-44

High QNH **+40** per .10" — Engine A/I ON **-1650**
Low QNH **-160** per .10" — Wing A/I ON **-1650**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4989 Length 8038 Shift **0** Clearway 0 Stopway 0 Slope -0.29
Rwy Rev. Program Rules FAA **20 Jul 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	3886^19	4017^22	4070^23
38	3949^20	4083^23	4134^24
36	4012^21	4150^24	4198^25
34	4072^22	4213^25	4258^25
32	4129^23	4272^25	4317^26
30	4185^23	4333^26	4378^27
28	4249^24	4399^27	4447^28
26	4313^25	4467^28	4515^29
24	4357^26	4512^29	4560^30
22	4384^26	4537^29	4585^30
20	4394^27	4546^29	4594^30
18	4403^27	4555^29	4602^30
10	4439^27	4590^30	4644^31
0	4477^28	4629^31	4691^32

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-1650**
Wing A/I ON **-1650**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	3878^19	4009^22	4061^23
38	3942^20	4076^23	4126^23
36	4005^21	4143^24	4189^24
34	4064^22	4205^24	4251^25
32	4121^23	4266^25	4310^26
30	4178^23	4325^26	4371^27
28	4242^24	4392^27	4440^28
26	4305^25	4460^28	4508^29
24	4350^26	4505^29	4553^29
22	4377^26	4530^29	4578^30
20	4386^26	4539^29	4587^30
18	4396^27	4548^29	4596^30
10	4271^25	4424^28	4479^29
0	4420^27	4574^30	4633^31

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-10**
Wing A/I ON **-10**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	3821^ 6	4008^16	4070D19
38	3879^ 6	4071^16	4134D19
36	3937^ 7	4133^16	4198D20
34	3992^ 7	4192^17	4258D20
32	4045^ 8	4249^17	4314^21
30	4098^ 8	4305^18	4371^21
28	4157^ 8	4368^18	4435^22
26	4216F 9	4431^19	4500^22
24	4258F 9	4474^19	4544^23
22	4281^10	4500^20	4569^23
20	4292^10	4511^21	4581^24
18	4302^11	4523^21	4592^24
10	4347^12	4566^23	4644^26
0	4397^14	4620^25	4691D28

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-1440**
Wing A/I ON **-1440**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	3815^ 6	4002^15	4061D18
38	3873^ 6	4064^16	4126D19
36	3931^ 7	4127^16	4189D19
34	3986^ 7	4186^17	4251D20
32	4039^ 7	4242^17	4307^20
30	4092^ 8	4299^18	4365^21
28	4150^ 8	4362^18	4429^21
26	4209F 9	4425^19	4494^22
24	4251F 9	4468^19	4537^23
22	4275^10	4494^20	4564^23
20	4286^10	4505^20	4574^24
18	4298^11	4516^21	4585^24
10	4199^13	4421^23	4479D26
0	4348^14	4571^25	4633D28

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-10**
Wing A/I ON **-10**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28		3856F96	3940F99
26		3912F97	3998F 0
24		3952F97	4039F 0
22		3975F98	4063F 1
20		3988F98	4076F 1
18		4000F98	4089F 1
16		4012F99	4100F 2
14		4023F99	4112F 2
12		4038F99	4125F 3
10		4049F 0	4135F 3
0		4105F 2	4193F 5
-10		4168F 4	4257F 7
-20	2953F 0	4232F 6	4326F 9
-30	3754F99	4299F 8	4386^11

High QNH **+50** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-1440**
Wing A/I ON **-1440**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3005F94	3429F 2	3542F 4
26	3058F94	3486F 2	3603F 5
24	3107F95	3533F 2	3655F 5
22	3149F95	3569F 3	3698F 6
20	3166F96	3583F 3	3717F 6
18	3179F96	3596F 4	3737F 6
16	3196F96	3612F 4	3757F 6
14	3209F96	3627F 4	3781F 7
12	3228F97	3642F 5	3801F 7
10	3243F97	3658F 5	3823F 7
0	3327F98	3750F 6	3901F 9
-10	3421F 0	3850F 8	3986^10
-20	3531F 1	3939F 9	4086F12
-30	3592F 3	4029F11	4165^13

High QNH **+60** per .10"
Low QNH **-190** per .10"

Engine A/I ON **-1040**
Wing A/I ON **-1040**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 4989 Length 8038 Shift **0** Clearway 0 Stopway 0 Slope -0.29
Rwy Rev. Program Rules FAA **20 Jul 18**

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PALENQUE -PQM 10 *LT H080*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1164'		**LT H080**	**1164'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4253F25	4434^28	4476^29
46	87.7	4328F25	4524^29	4570^30
44	87.7	4377F26	4581^30	4628^31
42	87.5	4400F26	4606^30	4654^31
40	87.3	4420F27	4625^30	4673^31
38	87.0	4430F27	4633^31	4680^31
36	86.7	4441F27	4641^31	4689^32
34	86.4	4452F27	4650^31	4696^32
32	86.1	4463F28	4657^31	4704^32
30	85.9	4475F28	4666^31	4711^32
20	84.5	4529F29	4707^32	4749^33
10	83.0	4584F30	4742^32	4781^33
0	81.5	4636^31	4783^33	4819^34
-10	80.0	4679^31	4818^34	4852^34
-20	78.4	4720^32	4849^34	4884^35
-30	76.9	4742^32	4872^35	4916^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4193F14	4434D23	4476D26	4697
4264F14	4521^24	4570D27	4815
4311F15	4574^24	4628D27	4884
4334F15	4600^24	4654D28	4944
4354F15	4620^25	4673D28	4959
4366F16	4630^25	4680D28	4960
4378F16	4640^25	4689D29	4962
4390F16	4650D26	4696D29	4964
4403F17	4657D26	4704D29	4966
4415F17	4666D27	4711D30	4968
4479F19	4707D28	4749D32	4976
4541F20	4742D30	4781D34	4972
4610F22	4783D33	4819D34	4984
4665^24	4818D34	4852D35	4987
4718^26	4849D35	4884D36	4985
4742D29	4872D35	4916D35	4981

High QNH **+0** per .10" Engine A/I ON **-710**
Low QNH **-160** per .10" Wing A/I ON **-710**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4349F26	4482^29	4517^29
46	90.9	4428F27	4577^30	4615^31
44	90.9	4491F28	4641^31	4680^32
42	90.6	4535F29	4677^31	4714^32
40	90.4	4556F29	4697^32	4733^32
38	90.1	4563^29	4705^32	4742^32
36	89.8	4571^29	4712^32	4748^33
34	89.6	4580^30	4719^32	4755^33
32	89.3	4588^30	4727^32	4762^33
30	89.0	4597^30	4734^32	4768^33
20	87.5	4639^31	4770^33	4802^33
10	86.0	4677^31	4798^33	4826^34
0	84.4	4721^32	4834^34	4872^35
-10	82.9	4760^33	4864^34	4920^35
-20	81.3	4774^33	4898^35	4940^36
-30	79.7	4760^33	4887^35	4931^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4267F15	4482D25	4517D28	4697
4340F16	4575^25	4615D29	4815
4396F16	4637^26	4680D29	4884
4435F17	4673^27	4714D30	4944
4456F17	4694^27	4733D30	4959
4471F18	4705^28	4742D31	4960
4484F18	4712D28	4748D31	4962
4496F18	4719D28	4755D32	4964
4509F19	4727D29	4762D32	4966
4520F19	4734D29	4768D33	4968
4587F21	4770D31	4802D34	4976
4636^23	4798D33	4826D35	4972
4694^25	4834D35	4872D36	4984
4747^27	4864D35	4920D36	4987
4774D29	4898D35	4940D36	4985
4760D32	4887D35	4931D36	4981

High QNH **+0** per .10" Engine A/I ON **-790**
Low QNH **-160** per .10" Wing A/I ON **-790**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4349F26-26-36	4482^29-29-38	4517^29-29-39	4545^30-30-39
46	90.9	4428F27-27-37	4577^30-30-40	4615^31-31-40	4646^31-31-41
44	90.9	4491F28-28-38	4641^31-31-41	4680^32-32-41	4711^32-32-42
42	90.6	4535F29-29-39	4677^31-31-41	4714^32-32-42	4745^33-33-42
40	90.4	4556F29-29-39	4697^32-32-41	4733^32-32-42	4764^33-33-42
38	90.1	4563^29-29-39	4705^32-32-42	4742^32-32-42	4772^33-33-42
36	89.8	4571^29-29-40	4712^32-32-42	4748^33-33-42	4778^33-33-43
34	89.6	4580^30-30-40	4719^32-32-42	4755^33-33-42	4784^33-33-43
32	89.3	4588^30-30-40	4727^32-32-42	4762^33-33-42	4790^33-33-43
30	89.0	4597^30-30-40	4734^32-32-42	4768^33-33-42	4795^33-33-43
20	87.5	4639^31-31-41	4770^33-33-42	4802^33-33-43	4831^34-34-43
10	86.0	4677^31-31-41	4798^33-33-43	4826^34-34-43	4876^35-35-44
0	84.4	4721^32-32-42	4834^34-34-43	4872^35-35-44	4928^36-36-45
-10	82.9	4760^33-33-42	4864^34-34-44	4920^35-35-45	4976^36-36-45
-20	81.3	4774^33-33-43	4898^35-35-44	4940^36-36-45	4981^36-36-46
-30	79.7	4772^39-39-48	4905^41-41-50	4937^42-42-51	4987^42-42-51

High QNH **+0** per .10" Engine A/I ON **-790**
Low QNH **-160** per .10" Wing A/I ON **-790**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	164	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.48
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4349F26	4482^29	4517^29
46	4428F27	4577^30	4615^31
44	4491F28	4641^31	4680^32
42	4535F29	4677^31	4714^32
40	4556F29	4697^32	4733^32
38	4563^29	4705^32	4742^32
36	4571^29	4712^32	4748^33
34	4580^30	4719^32	4755^33
32	4588^30	4727^32	4762^33
30	4597^30	4734^32	4768^33
20	4639^31	4770^33	4802^33
10	4677^31	4798^33	4826^34
0	4721^32	4834^34	4872^35
-10	4760^33	4864^34	4920^35

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-640**
Wing A/I ON **-640**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4340F26	4475^29	4510^29
46	4418F27	4571^30	4608^31
44	4480F28	4634^31	4673^31
42	4524F29	4670^31	4708^32
40	4545F29	4690^32	4728^32
38	4559F29	4699^32	4736^32
36	4564^29	4706^32	4742^32
34	4572^30	4713^32	4749^33
32	4581^30	4721^32	4756^33
30	4589^30	4729^32	4763^33
20	4633^31	4765^33	4796^33
10	4620^31	4732^33	4763^33
0	4664^31	4768^33	4816^34
-10	4700^32	4804^34	4859^35

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4267F15	4482D25	4517D28
46	4340F16	4575^25	4615D29
44	4396F16	4637^26	4680D29
42	4435F17	4673^27	4714D30
40	4456F17	4694^27	4733D30
38	4471F18	4705^28	4742D31
36	4484F18	4712D28	4748D31
34	4496F18	4719D28	4755D32
32	4509F19	4727D29	4762D32
30	4520F19	4734D29	4768D33
20	4587F21	4770D31	4802D34
10	4636^23	4798D33	4826D35
0	4694^25	4834D35	4872D36
-10	4747^27	4864D35	4920D36

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-640**
Wing A/I ON **-640**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4260F15	4475D25	4510D28
46	4332F15	4568^25	4608D28
44	4388F16	4629^26	4673D29
42	4427F17	4665^27	4708D30
40	4448F17	4687^27	4728D30
38	4463F17	4698^27	4736D31
36	4476F18	4706D28	4742D31
34	4489F18	4713D28	4749D32
32	4501F18	4721D29	4756D32
30	4512F19	4729D29	4763D32
20	4579F21	4765D31	4796D34
10	4587^23	4732D33	4763D34
0	4645^25	4768D34	4816D35
-10	4691^27	4804D34	4859D35

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H
48			
46			
44			
42			
40			
38			
36			
34			
32			
30			
20			
10			
0			
-10			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3938F98	4196F 8	4291F11
26	3950F98	4208F 8	4303F11
24	3960F98	4220F 8	4316F12
22	3970F99	4233F 9	4329F12
20	3981F99	4245F 9	4342F12
18	3990F99	4257F10	4354F13
16	4000F 0	4269F10	4367F13
14	4009F 0	4281F10	4380F14
12	4019F 0	4293F11	4393F14
10	4030F 1	4305F11	4404F14
0	4089F 3	4374F13	4477F17
-10	4146F 5	4441F15	4549F19
-20	4205F 7	4513F17	4623F21
-30	4267F 9	4585F20	4690^23

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-430**
Wing A/I ON **-430**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3439F 3	3968F10	4135F13
26	3458F 3	3988F10	4154F13
24	3476F 4	4008F11	4165F13
22	3494F 4	4027F11	3773F 8
20	3513F 4	4045F11	3773F 8
18	3532F 4	4062F12	3773F 8
16	3552F 5	4082F12	4180^13
14	3574F 5	4101F12	4183^13
12	3584F 5	4121F12	4188^13
10	3593F 5	4140F13	4192^13
0	3664F 7	4177F13	
-10	3760F 8	4209^14	4253^14
-20	3911F 9	4226^14	4272D15
-30	4022F11	4216^14	4263D14

High QNH **+0** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-990**
Wing A/I ON **-990**

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H
28			
26			
24			
22			
20			
18			
16			
14			
12			
10			
0			
-10			
-20			
-30			

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 164 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.48
Rwy Rev. Program Rules FAA **26 Oct 17**

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PALENQUE **-PQM** **28** ***DT H284***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1164'		**DT H284**	**1164'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4401F27	4616^31	4650^32	4313F13	4604^23	4649^26	4697
46	87.7	4476F28	4726^33	4763^33	4386F14	4690F23	4760^26	4815
44	87.7	4527F29	4784^33	4845^34	4434F14	4741F24	4824^27	4884
42	87.5	4551F29	4811^34	4873^35	4458F14	4767F24	4852^27	4944
40	87.3	4571F30	4832^34	4894^35	4479F15	4789F24	4874^28	4959
38	87.0	4583F30	4841^34	4903^35	4491F15	4803F25	4885^28	4960
36	86.7	4594F30	4850^34	4912^35	4503F16	4817F25	4896^28	4962
34	86.4	4606F30	4859^34	4921^36	4516F16	4827^25	4907^29	4964
32	86.1	4617F30	4868^35	4931^36	4529F16	4838^26	4919^29	4966
30	85.9	4629F31	4878^35	4939^36	4542F17	4850^26	4930^29	4968
20	84.5	4691F32	4908^35	4945^36	4607F18	4905^28	4945D32	4976
10	83.0	4753F33	4900^35	4938^36	4675F20	4900D30	4938D34	4972
0	81.5	4787^33	4905^35	4943^36	4749F22	4905D33	4943D36	4984
-10	80.0	4781^33	4901^35	4942^36	4777^24	4901D35	4942D36	4987
-20	78.4	4769^33	4893^35	4936^36	4768^27	4893D35	4936D36	4985
-30	76.9	4755^33	4884^35	4927^36	4755D29	4884D35	4927D36	4981

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4504F29	4627^31	4660^32	4385F14	4625^24	4660D28	4697
46	90.9	4585F30	4741^33	4774^33	4459F15	4736^25	4773^28	4815
44	90.9	4650F31	4832^34	4866^35	4516F16	4813^25	4864^29	4884
42	90.6	4697F32	4896^35	4930^36	4555F16	4852^26	4927^29	4944
40	90.4	4719F32	4910^35	4944^36	4577F17	4874^26	4941^30	4959
38	90.1	4735F32	4915^35	4949^36	4590F17	4888^27	4947^30	4960
36	89.8	4746F33	4916^35	4951^36	4604F17	4899^27	4949^31	4962
34	89.6	4758F33	4917^35	4952^36	4617F18	4912^28	4951^31	4964
32	89.3	4771F33	4918^35	4953^36	4631F18	4914^28	4953^32	4966
30	89.0	4783F33	4920^35	4955^36	4645F18	4915^29	4955D32	4968
20	87.5	4815^34	4924^36	4960^36	4716F20	4923^31	4960D34	4976
10	86.0	4804^33	4916^35	4953^36	4787F22	4916D33	4953D36	4972
0	84.4	4804^33	4920^35	4958^36	4798^24	4920D36	4958D36	4984
-10	82.9	4797^33	4916^35	4956^36	4795^27	4916D35	4956D36	4987
-20	81.3	4785^33	4908^35	4950^36	4785D29	4908D35	4950D36	4985
-30	79.7	4770^33	4898^35	4941^36	4770D32	4898D35	4941D36	4981

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	4504F29-29-39	4627^31-31-40	4666^38-38-47	4726^39-39-48
46	90.9	4585F30-30-40	4741^33-33-42	4774^33-33-43	4821^40-40-49
44	90.9	4650F31-31-41	4832^34-34-43	4866^35-35-44	4888^41-41-50
42	90.6	4697F32-32-41	4896^35-35-44	4930^36-36-45	4944C36-36-45
40	90.4	4719F32-32-42	4910^35-35-44	4944^36-36-45	4959C36-36-45
38	90.1	4735F32-32-42	4915^35-35-45	4949^36-36-45	4964^42-42-51
36	89.8	4746F33-33-42	4916^35-35-45	4951^36-36-45	4974^42-42-51
34	89.6	4758F33-33-42	4917^35-35-45	4952^36-36-45	4977C42-42-51
32	89.3	4771F33-33-42	4918^35-35-45	4953^36-36-45	4979C42-42-51
30	89.0	4783F33-33-43	4920^35-35-45	4955^36-36-45	4981C42-42-51
20	87.5	4815^34-34-43	4929^41-41-51	4990C43-43-51	4990C43-43-51
10	86.0	4804^33-33-43	4973^42-42-51	4986C42-42-51	4986C42-42-51
0	84.4	4804^33-33-43	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.9	4866F40-40-50	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.3	4928F41-41-51	4999C43-43-52	4999C43-43-52	4999C43-43-52
-30	79.7	4919^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	164	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.48
Rwy Rev.		Program						Rules	FAA		**02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4504F29	4627^31	4660^32	4493F29	4621^31	4654^32			
46	4585F30	4741^33	4774^33	4574F30	4735^33	4768^33			
44	4650F31	4832^34	4866^35	4638F31	4826^34	4860^35			
42	4697F32	4896^35	4930^36	4686F32	4891^35	4925^36			
40	4719F32	4910^35	4944^36	4707F32	4905^35	4940^36			
38	4735F32	4915^35	4949^36	4723F32	4911^35	4945^36			
36	4746F33	4916^35	4951^36	4735F32	4912^35	4947^36			
34	4758F33	4917^35	4952^36	4748F33	4913^35	4948^36			
32	4771F33	4918^35	4953^36	4760F33	4914^35	4949^36			
30	4783F33	4920^35	4955^36	4772F33	4915^35	4950^36			
20	4815^34	4924^36	4960^36	4810^34	4919^35	4955^36			
10	4804^33	4916^35	4953^36	4720^32	4830^34	4867^35			
0	4804^33	4920^35	4958^36	4718^32	4832^34	4871^35			
-10	4797^33	4916^35	4956^36	4711^32	4829^34	4868^35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4385F14	4625^24	4660D28	4377F14	4619^24	4654D28			
46	4459F15	4736^25	4773^28	4452F15	4730^25	4767^28			
44	4516F16	4813^25	4864^29	4508F15	4805^25	4858^29			
42	4555F16	4852^26	4927^29	4547F16	4845^26	4922^29			
40	4577F17	4874^26	4941^30	4569F16	4867^26	4937^30			
38	4590F17	4888^27	4947^30	4583F17	4881^27	4943^30			
36	4604F17	4899^27	4949^31	4596F17	4892^27	4945^31			
34	4617F18	4912^28	4951^31	4610F18	4903^28	4947^31			
32	4631F18	4914^28	4953^32	4623F18	4910^28	4949^32			
30	4645F18	4915^29	4955D32	4637F18	4911^28	4950D32			
20	4716F20	4923^31	4960D34	4708F20	4919^31	4955D34			
10	4787F22	4916D33	4953D36	4712^22	4830D33	4867D35			
0	4798^24	4920D36	4958D36	4715^25	4832D34	4871D35			
-10	4795^27	4916D35	4956D36	4711^27	4829D34	4868D35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	2933F99	4304F 5	4398F 9	3589F 1	4002F 9	4127F12			
26	3127F99	4317F 6	4411F 9	3601F 1	4016F10	4142F12			
24	3265F99	4327F 6	4424F 9	3615F 1	4030F10	4155F13			
22	3455F98	4340F 6	4436F10	3626F 2	4045F10	4175F13			
20	3595F98	4353F 7	4450F10	3637F 2	4058F10	4195F13			
18	3760F98	4365F 7	4462F11	3653F 2	4073F11	4213F14			
16	3950F98	4377F 8	4475F11	3664F 2	4086F11	4234F14			
14	4090F98	4389F 8	4488F11	3678F 3	4102F12	4254F14			
12	4126F98	4402F 8	4499F12	3694F 3	4115F12	4275F15			
10	4137F98	4414F 9	4512F12	3709F 3	4130F12	4283^15			
0	4200F 0	4484F11	4587F14	3793F 5	4224F14	4288^15			
-10	4259F 2	4552F13	4661F16	3884F 7	4240^14	4285^15			
-20	4321F 4	4626F15	4738F19	3967F 8	4233^14	4279^15			
-30	4371^ 6	4701F17	4818F21	4031^10	4223^14	4271^15			
	High QNH +60 per .10" Low QNH -70 per .10"			High QNH +0 per .10" Low QNH -80 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -450 Wing A/I ON -450			Engine A/I ON -710 Wing A/I ON -710			Engine A/I ON Wing A/I ON		

Elevation 164 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope -0.48

Rwy Rev. Program Rules FAA **02 Jul 20**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		8361'		**DT H174**	**8361'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
34	89.1	3917^21	3996^22	4022^23	3917D20	3996D22	4022D23	4072
32	89.4	3994^22	4073^23	4100^24	3994D20	4073D23	4100D24	4151
30	89.7	4073^23	4154^24	4180^25	4073D21	4154D25	4180D25	4231
28	89.9	4154^24	4236^26	4262^26	4154D21	4236D26	4262D26	4313
26	90.1	4235^25	4317^27	4344^27	4235D21	4317D27	4344D27	4396
24	90.4	4316^27	4399^28	4427^29	4316^22	4399D28	4427D29	4477
22	90.6	4397^28	4480^29	4508^30	4396^22	4480D29	4508D30	4559
20	90.9	4437^28	4521^30	4549^30	4436^23	4521D30	4549D30	4605
18	90.6	4453^29	4538^30	4566^31	4452^23	4538D30	4566D31	4615
16	90.3	4459^29	4544^30	4573^31	4459^23	4544D30	4573D31	4626
14	90.0	4459^29	4545^30	4574^31	4459D24	4545D30	4574D31	4628
10	89.4	4459^29	4546^30	4575^31	4459D25	4546D30	4575D31	4630
0	87.8	4456^29	4546^30	4576^31	4456D27	4546D30	4576D31	4634
-10	86.2	4440^28	4532^30	4563^30	4440D28	4532D30	4563D31	4623
-20	84.5	4433^28	4528^30	4560^30	4433D28	4528D30	4560D31	4625
-30	82.8	4418^28	4517^30	4550^30	4418D28	4517D30	4550D30	4618

High QNH **+90** per .10" — Engine A/I ON **-5600**
Low QNH **-170** per .10" — Wing A/I ON **-5600**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
34	92.5	3926^21	4004^22	4030^23	3926D21	4004D22	4030D23	4072
32	92.8	4003^22	4082^23	4108^24	4003D22	4082D23	4108D24	4151
30	93.2	4083^23	4163^25	4189^25	4083D22	4163D25	4189D25	4231
28	93.6	4165^24	4245^26	4271^26	4165D23	4245D26	4271D26	4313
26	94.1	4246^26	4327^27	4353^28	4246D23	4327D27	4353D28	4396
24	94.3	4327^27	4409^28	4437^29	4327D23	4409D28	4437D29	4477
22	94.3	4409^28	4492^29	4520^30	4409D24	4492D30	4520D30	4559
20	94.3	4450^29	4533^30	4561^30	4450D25	4533D30	4561D31	4605
18	94.0	4468^29	4552^30	4580^31	4468D26	4552D30	4580D31	4615
16	93.8	4476^29	4560^30	4588^31	4476D26	4560D31	4588D31	4626
14	93.5	4476^29	4560^30	4589^31	4476D27	4560D31	4589D31	4628
10	92.8	4476^29	4561^30	4590^31	4476D28	4561D31	4590D31	4630
0	91.1	4473^29	4561^30	4590^31	4473D29	4561D31	4590D31	4634
-10	89.4	4455^29	4546^30	4577^31	4455D29	4546D30	4577D31	4623
-20	87.7	4448^28	4542^30	4573^31	4448D29	4542D30	4573D31	4625
-30	86.0	4433^28	4531^30	4563^30	4433D28	4531D30	4563D31	4618

High QNH **+90** per .10" — Engine A/I ON **-5650**
Low QNH **-170** per .10" — Wing A/I ON **-5650**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
34	92.5	4046^28-28-37	4121^30-30-38	4131C30-30-38	4131C30-30-38
32	92.8	4126^30-30-38	4201^31-31-40	4211C31-31-40	4211C31-31-40
30	93.2	4208^31-31-40	4284^32-32-41	4290C33-33-41	4290C33-33-41
28	93.6	4290^32-32-41	4367^34-34-42	4372C34-34-42	4372C34-34-42
26	94.1	4364^33-33-42	4451^35-35-43	4454C35-35-43	4454C35-35-43
24	94.3	4436^34-34-43	4536C36-36-45	4536C36-36-45	4536C36-36-45
22	94.3	4490T35-35-44	4619C37-37-46	4619C37-37-46	4619C37-37-46
20	94.3	4522T36-36-45	4666^38-38-47	4675C38-38-47	4675C38-38-47
18	94.0	4555T36-36-45	4681C38-38-47	4681C38-38-47	4681C38-38-47
16	93.8	4587T37-37-46	4688C38-38-47	4688C38-38-47	4688C38-38-47
14	93.5	4609^37-37-46	4692C38-38-47	4692C38-38-47	4692C38-38-47
10	92.8	4613^37-37-46	4695C38-38-47	4695C38-38-47	4695C38-38-47
0	91.1	4611^37-37-46	4696^38-38-47	4700C39-39-47	4700C39-39-47
-10	89.4	4594^37-37-46	4681^38-38-47	4690C38-38-47	4690C38-38-47
-20	87.7	4587^37-37-46	4677^38-38-47	4696C39-39-47	4696C39-39-47
-30	86.0	4572^36-36-45	4664^38-38-47	4689C38-38-47	4689C38-38-47

High QNH **+100** per .10" — Engine A/I ON **-5780**
Low QNH **-180** per .10" — Wing A/I ON **-5780**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 7361 Length 11811 Shift **0** Clearway 0 Stopway 0 Slope -0.39
Rwy Rev. Program Rules FAA **25 Oct 16**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
34	3926^21	4004^22	4030^23
32	4003^22	4082^23	4108^24
30	4083^23	4163^25	4189^25
28	4165^24	4245^26	4271^26
26	4246^26	4327^27	4353^28
24	4327^27	4409^28	4437^29
22	4409^28	4492^29	4520^30
20	4450^29	4533^30	4561^30
18	4468^29	4552^30	4580^31
16	4476^29	4560^30	4588^31
14	4476^29	4560^30	4589^31
10	4476^29	4561^30	4590^31
0	4473^29	4561^30	4590^31
-10	4455^29	4546^30	4577^31

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-5650**
Wing A/I ON **-5650**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
34	3921^21	3999^22	4025^23
32	3998^22	4077^23	4103^24
30	4079^23	4158^25	4185^25
28	4161^24	4240^26	4267^26
26	4242^25	4323^27	4350^27
24	4324^27	4406^28	4434^29
22	4406^28	4489^29	4517^30
20	4447^28	4531^30	4558^30
18	4465^29	4549^30	4577^31
16	4472^29	4557^30	4585^31
14	4472^29	4557^30	4585^31
10	3913^20	3983^22	4011^22
0	4363^27	4450^29	4479^29
-10	4371^27	4461^29	4491^29

High QNH **+100** per .10"
Low QNH **-220** per .10"

Engine A/I ON **-150**
Wing A/I ON **-150**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
34	3926D21	4004D22	4030D23
32	4003D22	4082D23	4108D24
30	4083D22	4163D25	4189D25
28	4165D23	4245D26	4271D26
26	4246D23	4327D27	4353D28
24	4327D23	4409D28	4437D29
22	4409D24	4492D30	4520D30
20	4450D25	4533D30	4561D31
18	4468D26	4552D30	4580D31
16	4476D26	4560D31	4588D31
14	4476D27	4560D31	4589D31
10	4476D28	4561D31	4590D31
0	4473D29	4561D31	4590D31
-10	4455D29	4546D30	4577D31

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-5650**
Wing A/I ON **-5650**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
34	3921D21	3999D22	4025D23
32	3998D22	4077D23	4103D24
30	4079D22	4158D25	4185D25
28	4161D23	4240D26	4267D26
26	4242D23	4323D27	4350D28
24	4324D23	4406D28	4434D29
22	4406D24	4489D30	4517D30
20	4447D24	4531D30	4558D31
18	4465D25	4549D30	4577D31
16	4472D26	4557D31	4585D31
14	4472D26	4557D30	4585D31
10	3913D21	3983D22	4011D22
0	4363D27	4450D29	4479D29
-10	4371D27	4461D29	4491D30

High QNH **+100** per .10"
Low QNH **-220** per .10"

Engine A/I ON **-150**
Wing A/I ON **-150**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3985F 0	4166^ 9	4223^12
26	4046F 0	4233^ 9	4292^12
24	4108F 1	4301^ 9	4361^12
22	4170F 1	4369^10	4430^13
20	4220F 2	4421^10	4483^13
18	4247F 2	4444^11	4506^14
16	4264F 2	4459^12	4522^15
14	4277F 3	4470^12	4533^15
12	4289F 3	4480^12	4543^15
10	4302F 4	4489^13	4546^16
0	4349^ 6	4517^15	4553^18
-10	4384^ 8	4510^18	4547^21
-20	4400^10	4513^20	4551^24
-30	4393^13	4509^23	4547^27

High QNH **+100** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-5110**
Wing A/I ON **-5110**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3705F 4	3903F12	3968F15
26	3767F 5	3969F12	4035F15
24	3831F 5	4033F13	4104F16
22	3896F 6	4102F14	4174F16
20	3950F 6	4161F14	4233F17
18	3981F 7	4198F15	4273F18
16	4001F 7	4221F15	4296F18
14	4012F 8	4233F16	4309F18
12	4023F 8	4246F16	4322F19
10	4034F 8	4258F17	4334F19
0	4089F10	4320F18	4398F21
-10	4140F12	4377F20	4450^23
-20	4198F14	4434^22	4501^25
-30	4258F16	4472^24	4516^27

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-3020**
Wing A/I ON **-3020**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 7361 Length 11811 Shift **0** Clearway 0 Stopway 0 Slope -0.39
Rwy Rev. Program Rules FAA **25 Oct 16**

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PUEBLA **-PBC** **35** ***RT H170***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		8361'		**RT H170**	**8361'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
34	89.1	3908^20	3988^22	4014^22
32	89.4	3985^22	4065^23	4092^24
30	89.7	4065^23	4146^24	4172^25
28	89.9	4145^24	4227^25	4254^26
26	90.1	4226^25	4308^27	4336^27
24	90.4	4307^26	4390^28	4418^28
22	90.6	4387^28	4472^29	4500^30
20	90.9	4427^28	4512^30	4540^30
18	90.6	4443^28	4528^30	4557^30
16	90.3	4450^28	4535^30	4564^31
14	90.0	4449^28	4536^30	4565^31
10	89.4	4449^28	4537^30	4566^31
0	87.8	4447^28	4537^30	4567^31
-10	86.2	4430^28	4523^30	4554^30
-20	84.5	4423^28	4519^30	4551^30
-30	82.8	4409^28	4508^30	4541^30

ALT TO-1 - WET RWY

Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
3908D20	3988D22	4014D22	4072
3985D21	4065D23	4092D24	4151
4065D21	4146D24	4172D25	4231
4145D21	4227D26	4254D26	4313
4226D22	4308D27	4336D27	4396
4306^22	4390D28	4418D29	4477
4385^22	4472D29	4500D30	4559
4425^23	4512D30	4540D30	4605
4441^23	4528D30	4557D31	4615
4448^24	4535D30	4564D31	4626
4449D24	4536D30	4565D31	4628
4449D25	4537D30	4566D31	4630
4447D28	4537D30	4567D31	4634
4430D28	4523D30	4554D30	4623
4423D28	4519D30	4551D30	4625
4409D28	4508D30	4541D30	4618

High QNH **+90** per .10" Engine A/I ON **-5560**
Low QNH **-170** per .10" Wing A/I ON **-5560**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	+0	+10H
34	92.5	3918^21	3997^22	4023^23
32	92.8	3995^22	4074^23	4101^24
30	93.2	4075^23	4155^24	4182^25
28	93.6	4157^24	4237^26	4264^26
26	94.1	4238^25	4319^27	4346^27
24	94.3	4319^27	4401^28	4428^29
22	94.3	4400^28	4484^29	4511^30
20	94.3	4441^28	4525^30	4553^30
18	94.0	4460^29	4544^30	4572^31
16	93.8	4467^29	4552^30	4580^31
14	93.5	4467^29	4552^30	4581^31
10	92.8	4467^29	4553^30	4582^31
0	91.1	4464^29	4553^30	4582^31
-10	89.4	4447^28	4539^30	4569^31
-20	87.7	4440^28	4534^30	4566^31
-30	86.0	4425^28	4523^30	4556^30

TO-1 - WET RWY

Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
3918D21	3997D22	4023D23	4072
3995D22	4074D23	4101D24	4151
4075D23	4155D25	4182D25	4231
4157D23	4237D26	4264D26	4313
4238D24	4319D27	4346D27	4396
4319D24	4401D28	4428D29	4477
4400D24	4484D29	4511D30	4559
4441D25	4525D30	4553D30	4605
4460D26	4544D30	4572D31	4615
4467D27	4552D30	4580D31	4626
4467D27	4552D30	4581D31	4628
4467D28	4553D30	4582D31	4630
4464D29	4553D30	4582D31	4634
4447D29	4539D30	4569D31	4623
4440D28	4534D30	4566D31	4625
4425D28	4523D30	4556D30	4618

High QNH **+90** per .10" Engine A/I ON **-5630**
Low QNH **-170** per .10" Wing A/I ON **-5630**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
34	92.5	4038^28-28-37	4113^30-30-38	4131C30-30-38	4131C30-30-38
32	92.8	4117^30-30-38	4193^31-31-39	4211C31-31-40	4211C31-31-40
30	93.2	4199^31-31-39	4275^32-32-41	4290C33-33-41	4290C33-33-41
28	93.6	4281^32-32-41	4359^34-34-42	4372C34-34-42	4372C34-34-42
26	94.1	4364^33-33-42	4442^35-35-43	4454C35-35-43	4454C35-35-43
24	94.3	4449^35-35-43	4528^36-36-45	4536C36-36-45	4536C36-36-45
22	94.3	4490T35-35-44	4613^37-37-46	4619C37-37-46	4619C37-37-46
20	94.3	4522T36-36-45	4656^38-38-47	4675C38-38-47	4675C38-38-47
18	94.0	4555T36-36-45	4676^38-38-47	4681C38-38-47	4681C38-38-47
16	93.8	4587T37-37-46	4684^38-38-47	4688C38-38-47	4688C38-38-47
14	93.5	4604^37-37-46	4680^38-38-47	4692C38-38-47	4692C38-38-47
10	92.8	4604^37-37-46	4686^38-38-47	4695C38-38-47	4695C38-38-47
0	91.1	4602^37-37-46	4687^38-38-47	4700C39-39-47	4700C39-39-47
-10	89.4	4585^37-37-46	4672^38-38-47	4690C38-38-47	4690C38-38-47
-20	87.7	4578^36-36-45	4668^38-38-47	4696C39-39-47	4696C39-39-47
-30	86.0	4563^36-36-45	4656^38-38-47	4687^38-38-47	4689C38-38-47

High QNH **+90** per .10" Engine A/I ON **-5770**
Low QNH **-170** per .10" Wing A/I ON **-5770**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 7361 Length 11811 Shift **0** Clearway 0 Stopway 0 Slope +0.39
Rwy Rev. Program Rules FAA **25 Oct 16**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
34	3918^21	3997^22	4023^23
32	3995^22	4074^23	4101^24
30	4075^23	4155^24	4182^25
28	4157^24	4237^26	4264^26
26	4238^25	4319^27	4346^27
24	4319^27	4401^28	4428^29
22	4400^28	4484^29	4511^30
20	4441^28	4525^30	4553^30
18	4460^29	4544^30	4572^31
16	4467^29	4552^30	4580^31
14	4467^29	4552^30	4581^31
10	4467^29	4553^30	4582^31
0	4464^29	4553^30	4582^31
-10	4447^28	4539^30	4569^31

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-5630**
Wing A/I ON **-5630**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
34	3913^20	3992^22	4018^22
32	3990^22	4069^23	4096^24
30	4071^23	4151^24	4177^25
28	4152^24	4233^26	4260^26
26	4234^25	4315^27	4342^27
24	4316^27	4397^28	4425^29
22	4397^28	4481^29	4500^30
20	4438^28	4522^30	4550^30
18	4457^29	4541^30	4569^31
16	4464^29	4548^30	4577^31
14	4464^29	4549^30	4577^31
10	3906^20	3988^22	4016^22
0	4355^27	4443^29	4472^29
-10	4364^27	4454^29	4484^29

High QNH **+100** per .10"
Low QNH **-220** per .10"

Engine A/I ON **-150**
Wing A/I ON **-150**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
34	3918D21	3997D22	4023D23
32	3995D22	4074D23	4101D24
30	4075D23	4155D25	4182D25
28	4157D23	4237D26	4264D26
26	4238D24	4319D27	4346D27
24	4319D24	4401D28	4428D29
22	4400D24	4484D29	4511D30
20	4441D25	4525D30	4553D30
18	4460D26	4544D30	4572D31
16	4467D27	4552D30	4580D31
14	4467D27	4552D30	4581D31
10	4467D28	4553D30	4582D31
0	4464D29	4553D30	4582D31
-10	4447D29	4539D30	4569D31

High QNH **+100** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-5630**
Wing A/I ON **-5630**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
34	3913D21	3992D22	4018D23
32	3990D22	4069D23	4096D24
30	4071D23	4151D25	4177D25
28	4152D23	4233D26	4260D26
26	4234D23	4315D27	4342D27
24	4316D24	4397D28	4425D29
22	4397D24	4481D29	4500D30
20	4438D25	4522D30	4550D30
18	4457D26	4541D30	4569D31
16	4464D26	4548D30	4577D31
14	4464D27	4549D30	4577D31
10	3906D20	3988D22	4016D22
0	4355D27	4443D29	4472D29
-10	4364D27	4454D29	4484D29

High QNH **+100** per .10"
Low QNH **-220** per .10"

Engine A/I ON **-150**
Wing A/I ON **-150**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3915F 2	4132F10	4208F13
26	3975F 3	4194F11	4271F14
24	4035F 3	4258F11	4335F14
22	4096F 3	4322F12	4401F15
20	4146F 4	4375F12	4455F15
18	4173F 5	4407F13	4489F16
16	4192F 5	4428F14	4510F16
14	4204F 5	4442F14	4525F17
12	4217F 6	4455F14	4533^17
10	4229F 6	4468F15	4535^18
0	4289F 8	4507^17	4544^20
-10	4345F10	4501^20	4539^23
-20	4390^12	4505^22	4544^25
-30	4383^15	4503^25	4543^28

High QNH **+100** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-4930**
Wing A/I ON **-4930**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3642F 6	3844F13	3909F16
26	3703F 6	3907F14	3974F16
24	3766F 7	3973F14	4042F17
22	3829F 7	4040F15	4111F17
20	3883F 8	4097F16	4172F18
18	3916F 9	4136F16	4211F19
16	3936F 9	4158F17	4235F19
14	3947F10	4171F17	4248F20
12	3958F10	4183F18	4260F20
10	3969F10	4195F18	4273F20
0	4023F12	4257F20	4335F22
-10	4074F14	4314F22	4391F24
-20	4132F16	4376F23	4453F26
-30	4191F18	4437F25	4501^28

High QNH **+120** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-2470**
Wing A/I ON **-2470**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 7361 Length 11811 Shift **0** Clearway 0 Stopway 0 Slope +0.39
Rwy Rev. Program Rules FAA **25 Oct 16**

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PUERTO ESCONDIDO -PXM 09 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		500'		**RT H180**	**1294'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	3914^18	4046^21	4079^21
46	87.7	3990^19	4129^22	4165^23
44	87.7	4041^20	4184^23	4221^23
42	87.6	4069^20	4215^23	4252^24
40	87.4	4091^21	4238^23	4276^24
38	87.1	4099^21	4245^24	4282^24
36	86.8	4107^21	4251^24	4288^24
34	86.6	4116^21	4259^24	4295^24
32	86.3	4123^21	4266^24	4302^25
30	86.0	4131^21	4273^24	4309^25
20	84.6	4172^22	4308^25	4341^25
10	83.1	4208^23	4337^25	4367^26
0	81.6	4251^24	4372^26	4401^26
-10	80.1	4288^24	4403^26	4429^27
-20	78.6	4323^25	4430^27	4452^27
-30	77.0	4357^26	4455^27	4488^28

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	3908^11	4046D21	4079D22	4673
46	87.7	3978^12	4129D22	4165D23	4790
44	87.7	4026^12	4184D22	4221D24	4869
42	87.6	4054^13	4215D22	4252D25	4942
40	87.4	4077^13	4238D23	4276D25	4958
38	87.1	4086^13	4245D23	4282D25	4960
36	86.8	4096^14	4251D23	4288D25	4962
34	86.6	4106^14	4259D24	4295D25	4964
32	86.3	4116^14	4266D24	4302D25	4966
30	86.0	4126^15	4273D24	4309D25	4968
20	84.6	4172D16	4308D25	4341D26	4976
10	83.1	4208D18	4337D26	4367D26	4971
0	81.6	4251D20	4372D26	4401D27	4983
-10	80.1	4288D22	4403D27	4429D28	4986
-20	78.6	4323D24	4430D27	4452D28	4984
-30	77.0	4357D26	4455D28	4488D29	4981

High QNH **+30** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	3970^19	4082^21	4107^22
46	91.0	4050^20	4168^23	4196^23
44	90.9	4109^21	4229^23	4257^24
42	90.8	4147^22	4266^24	4293^25
40	90.6	4170^22	4290^24	4317^25
38	90.3	4182^22	4297^25	4324^25
36	90.0	4189^22	4303^25	4330^25
34	89.7	4196^23	4309^25	4336^25
32	89.4	4203^23	4316^25	4342^25
30	89.2	4211^23	4322^25	4348^25
20	87.6	4249^24	4353^26	4377^26
10	86.1	4279^24	4377^26	4398^26
0	84.6	4318^25	4410^27	4432^27
-10	83.0	4353^25	4436^27	4470^28
-20	81.4	4383^26	4464^27	4506^28
-30	79.8	4412^27	4499^28	4541^29

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	3961^13	4082D22	4107D22	4673
46	91.0	4035^13	4168D23	4196D24	4790
44	90.9	4090^14	4229D24	4257D25	4869
42	90.8	4128^15	4266D25	4293D25	4942
40	90.6	4152^15	4290D25	4317D25	4958
38	90.3	4165^16	4297D25	4324D26	4960
36	90.0	4175^16	4303D25	4330D26	4962
34	89.7	4184^16	4309D25	4336D26	4964
32	89.4	4193^17	4316D25	4342D26	4966
30	89.2	4203^17	4322D26	4348D26	4968
20	87.6	4249D19	4353D26	4377D27	4976
10	86.1	4279D21	4377D27	4398D27	4971
0	84.6	4318D23	4410D27	4432D28	4983
-10	83.0	4353D25	4436D28	4470D29	4986
-20	81.4	4383D27	4464D28	4506D29	4984
-30	79.8	4412D27	4499D29	4541D30	4981

High QNH **+20** per .10" Engine A/I ON **-620**
Low QNH **-150** per .10" Wing A/I ON **-620**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	3970^19-19-30	4082^21-21-32	4107^22-22-33	4128^22-22-33
46	91.0	4050^20-20-32	4168^23-23-34	4196^23-23-34	4219^24-24-34
44	90.9	4109^21-21-33	4229^23-23-34	4257^24-24-35	4281^24-24-35
42	90.8	4147^22-22-33	4266^24-24-35	4293^25-25-35	4317^25-25-36
40	90.6	4170^22-22-34	4290^24-24-35	4317^25-25-36	4340^25-25-36
38	90.3	4182^22-22-34	4297^25-25-35	4324^25-25-36	4347^25-25-36
36	90.0	4189^22-22-34	4303^25-25-36	4330^25-25-36	4352^26-26-36
34	89.7	4196^23-23-34	4309^25-25-36	4336^25-25-36	4358^26-26-36
32	89.4	4203^23-23-34	4316^25-25-36	4342^25-25-36	4363^26-26-36
30	89.2	4211^23-23-34	4322^25-25-36	4348^25-25-36	4369^26-26-37
20	87.6	4249^24-24-35	4353^26-26-36	4377^26-26-37	4396^26-26-37
10	86.1	4279^24-24-35	4377^26-26-37	4398^26-26-37	4432^27-27-38
0	84.6	4318^25-25-36	4410^27-27-37	4432^27-27-38	4476^28-28-38
-10	83.0	4353^25-25-36	4436^27-27-38	4470^28-28-38	4516^28-28-39
-20	81.4	4383^26-26-37	4464^27-27-38	4506^28-28-39	4551^29-29-39
-30	79.8	4412^27-27-37	4499^28-28-39	4541^29-29-39	4585^30-30-40

High QNH **+20** per .10" Engine A/I ON **-620**
Low QNH **-150** per .10" Wing A/I ON **-620**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 294 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +1.70
Rwy Rev. Program Rules FAA **08 Jun 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3970^19	4082^21	4107^22	3964^19	4076^21	4102^22			
46	4050^20	4168^23	4196^23	4043^20	4162^22	4190^23			
44	4109^21	4229^23	4257^24	4101^21	4222^23	4251^24			
42	4147^22	4266^24	4293^25	4140^22	4259^24	4288^24			
40	4170^22	4290^24	4317^25	4164^22	4284^24	4312^25			
38	4182^22	4297^25	4324^25	4175^22	4292^24	4320^25			
36	4189^22	4303^25	4330^25	4182^22	4298^25	4325^25			
34	4196^23	4309^25	4336^25	4189^22	4305^25	4331^25			
32	4203^23	4316^25	4342^25	4197^23	4311^25	4338^25			
30	4211^23	4322^25	4348^25	4204^23	4317^25	4343^25			
20	4249^24	4353^26	4377^26	4243^23	4349^25	4372^26			
10	4279^24	4377^26	4398^26	4227^23	4317^25	4337^25			
0	4318^25	4410^27	4432^27	4266^24	4350^26	4379^26			
-10	4353^25	4436^27	4470^28	4296^25	4374^26	4413^27			
	High QNH +20 per .10" Low QNH -150 per .10"			High QNH +30 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -620 Wing A/I ON -620			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3961^13	4082D22	4107D22	3955^13	4076D22	4102D22			
46	4035^13	4168D23	4196D24	4029^13	4162D23	4190D24			
44	4090^14	4229D24	4257D25	4084^14	4222D24	4251D24			
42	4128^15	4266D25	4293D25	4121^15	4259D25	4288D25			
40	4152^15	4290D25	4317D25	4146^15	4284D25	4312D25			
38	4165^16	4297D25	4324D26	4159^15	4292D25	4320D25			
36	4175^16	4303D25	4330D26	4168^16	4298D25	4325D26			
34	4184^16	4309D25	4336D26	4178^16	4305D25	4331D26			
32	4193^17	4316D25	4342D26	4187^16	4311D25	4338D26			
30	4203^17	4322D26	4348D26	4197^17	4317D26	4343D26			
20	4249D19	4353D26	4377D27	4243D19	4349D26	4372D27			
10	4279D21	4377D27	4398D27	4227D21	4317D26	4337D27			
0	4318D23	4410D27	4432D28	4266D23	4350D27	4379D27			
-10	4353D25	4436D28	4470D29	4296D25	4374D27	4413D28			
	High QNH +20 per .10" Low QNH -150 per .10"			High QNH +30 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -620 Wing A/I ON -620			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4056^ 6	4135^ 9	3406F 2	3680F11	3781F14			
26		4067^ 6	4145^10	3417F 2	3692F11	3794F14			
24		4076^ 7	4155^10	3425F 3	3704F12	3806F14			
22		4086^ 7	4165^10	3435F 3	3715F12	3820F15			
20		4095^ 7	4171D11	3445F 3	3728F12	3833F15			
18		4106^ 8	4171D11	3455F 3	3739F13	3845F15			
16		4113^ 8	4176D11	3464F 4	3750F13	3855F16			
14		4122^ 9	4176D12	3472F 4	3763F13	3850F16			
12	3910^99	4131^ 9	4176D12	3482F 4	3774F14	3877F16			
10	3921^99	4139^ 9	4183D13	3493F 5	3787F14	3901F17			
0	3977^ 1	4172D11	4206D14	3548F 6	3856F16	3983F18			
-10	4008^ 2	4189D14	4222D14	3601F 8	3932F17	4067F20			
-20		4192D14	4236D14	3660F10	4014F19	4144F22			
-30	4055^ 7	4194D14	4241D14	3720F12	4101F21				
	High QNH +10 per .10" Low QNH -50 per .10"			High QNH +50 per .10" Low QNH -380 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -690 Wing A/I ON -690			Engine A/I ON -480 Wing A/I ON -480			Engine A/I ON Wing A/I ON		

Elevation	294	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	+1.70
Rwy Rev.		Program						Rules	FAA		**08 Jun 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1294'		**DT H269**	**1294'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4331F26	4605^31	4638^32
46	87.7	4399F27	4696F32	4751^33
44	87.7	4448F28	4749F33	4847^34
42	87.6	4479F28	4781F33	4887F35
40	87.4	4502F28	4806F34	4912F35
38	87.1	4515F28	4821F34	4927F36
36	86.8	4528F29	4835F34	4942F36
34	86.6	4541F29	4849F34	4950^36
32	86.3	4554F29	4864F35	4951^36
30	86.0	4568F29	4879F35	4952^36
20	84.6	4637F31	4921^35	4957^36
10	83.1	4709F32	4913^35	4951^36
0	81.6	4783F33	4917^35	4956^36
-10	80.1	4794^33	4915^35	4954^36
-20	78.6	4782^33	4907^35	4948^36
-30	77.0	4768^33	4896^35	4939^36

ALT TO-1 - WET RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4250F 8	4551F18	4634^21	4673
46	87.7	4318F 8	4626F18	4733F22	4790
44	87.7	4367F 9	4679F19	4788F22	4869
42	87.6	4397F 9	4712F19	4821F22	4942
40	87.4	4421F 9	4738F19	4847F23	4958
38	87.1	4435F10	4751F20	4861F23	4960
36	86.8	4448F10	4765F20	4876F23	4962
34	86.6	4461F10	4779F21	4890F24	4964
32	86.3	4473F11	4794F21	4905F24	4966
30	86.0	4487F11	4808F21	4920F24	4968
20	84.6	4557F13	4883F23	4954^27	4976
10	83.1	4621F15	4910^25	4950^29	4971
0	81.6	4695F16	4916^27	4956D31	4983
-10	80.1	4768F18	4915D30	4954D34	4986
-20	78.6	4777^21	4907D33	4948D36	4984
-30	77.0	4766^23	4896D35	4939D36	4981

High QNH **+0** per .10" — Low QNH **-160** per .10"

Engine A/I ON **-850** — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4460F28	4615^31	4647^32
46	91.0	4536F29	4728^33	4760^33
44	90.9	4599F30	4825^34	4858^35
42	90.8	4650F31	4897^35	4931^36
40	90.6	4677F31	4918^35	4952^36
38	90.3	4697F32	4927^36	4960C36
36	90.0	4711F32	4928^36	4962^36
34	89.7	4725F32	4929^36	4964^36
32	89.4	4738F32	4930^36	4965^36
30	89.2	4750F33	4931^36	4966^36
20	87.6	4814F34	4935^36	4971^36
10	86.1	4816^34	4927^36	4964^36
0	84.6	4816^34	4931^36	4968^36
-10	83.0	4809^34	4928^36	4967^36
-20	81.4	4797^33	4919^35	4960^36
-30	79.8	4783^33	4908^35	4951^36

TO-1 - WET RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4312F 9	4608^19	4643^23	4673
46	91.0	4386F 9	4700F19	4756^23	4790
44	90.9	4442F10	4761F20	4851^23	4869
42	90.8	4483F10	4807F21	4921F24	4942
40	90.6	4508F11	4835F21	4945^24	4958
38	90.3	4526F11	4854F22	4954^25	4960
36	90.0	4540F11	4869F22	4956^25	4962
34	89.7	4553F12	4883F22	4958^26	4964
32	89.4	4566F12	4898F23	4960^26	4966
30	89.2	4580F12	4914F23	4961^27	4968
20	87.6	4648F14	4929^25	4969^29	4976
10	86.1	4717F16	4924^27	4964D31	4971
0	84.6	4794F18	4931D30	4968D34	4983
-10	83.0	4802^20	4928D32	4967D36	4986
-20	81.4	4792^23	4919D35	4960D36	4984
-30	79.8	4782^26	4908D35	4951D36	4981

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-860** — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4460F28-28-38	4615^31-31-40	4647^32-32-41	4708C39-39-47
46	91.0	4536F29-29-39	4728^33-33-42	4760^33-33-42	4817F40-40-49
44	90.9	4599F30-30-40	4825^34-34-43	4858^35-35-44	4883F41-41-50
42	90.8	4650F31-31-41	4897^35-35-44	4931^36-36-45	4942C36-36-45
40	90.6	4677F31-31-41	4918^35-35-45	4952^36-36-45	4967F42-42-51
38	90.3	4697F32-32-41	4927^36-36-45	4960C36-36-45	4975C42-42-51
36	90.0	4711F32-32-42	4928^36-36-45	4962^36-36-45	4976C42-42-51
34	89.7	4725F32-32-42	4929^36-36-45	4964^36-36-45	4978C42-42-51
32	89.4	4738F32-32-42	4930^36-36-45	4965^36-36-45	4980C42-42-51
30	89.2	4750F33-33-42	4931^36-36-45	4966^36-36-45	4981C42-42-51
20	87.6	4814F34-34-43	4935^36-36-45	4991C43-43-52	4991C43-43-52
10	86.1	4816^34-34-43	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.6	4816^34-34-43	4997C43-43-52	4997C43-43-52	4997C43-43-52
-10	83.0	4834F40-40-49	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.4	4901F41-41-50	4999C43-43-52	4999C43-43-52	4999C43-43-52
-30	79.8	4933^42-42-51	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-890** — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	294	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-1.70
Rwy Rev.		Program						Rules	FAA		**08 Jun 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4460F28	4615^31	4647^32
46	4536F29	4728^33	4760^33
44	4599F30	4825^34	4858^35
42	4650F31	4897^35	4931^36
40	4677F31	4918^35	4952^36
38	4697F32	4927^36	4960C36
36	4711F32	4928^36	4962^36
34	4725F32	4929^36	4964^36
32	4738F32	4930^36	4965^36
30	4750F33	4931^36	4966^36
20	4814F34	4935^36	4971^36
10	4816^34	4927^36	4964^36
0	4816^34	4931^36	4968^36
-10	4809^34	4928^36	4967^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4450F28	4609^31	4641^32
46	4525F29	4722^33	4755^33
44	4587F30	4819^34	4852^35
42	4638F31	4892^35	4926^36
40	4666F31	4914^35	4948^36
38	4686F31	4923^36	4957^36
36	4700F32	4925^36	4959^36
34	4715F32	4925^36	4960^36
32	4727F32	4926^36	4961^36
30	4739F32	4927^36	4962^36
20	4803F33	4931^36	4966^36
10	4732^33	4842^34	4880^35
0	4730^32	4843^34	4882^35
-10	4723^32	4840^34	4879^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4312F 9	4608^19	4643^23
46	4386F 9	4700F19	4756^23
44	4442F10	4761F20	4851^23
42	4483F10	4807F21	4921F24
40	4508F11	4835F21	4945^24
38	4526F11	4854F22	4954^25
36	4540F11	4869F22	4956^25
34	4553F12	4883F22	4958^26
32	4566F12	4898F23	4960^26
30	4580F12	4914F23	4961^27
20	4648F14	4929^25	4969^29
10	4717F16	4924^27	4964D31
0	4794F18	4931D30	4968D34
-10	4802^20	4928D32	4967D36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4308F 9	4603^19	4638^23
46	4379F 9	4692F19	4750^23
44	4435F10	4753F20	4846^23
42	4476F10	4798F21	4912F24
40	4503F10	4827F21	4939F24
38	4519F11	4846F21	4950^25
36	4533F11	4861F22	4952^25
34	4547F12	4876F22	4954^26
32	4560F12	4891F22	4956^26
30	4573F12	4906F23	4957^26
20	4641F14	4925^25	4964^29
10	4676F16	4841^28	4880D31
0	4721^18	4843D30	4882D34
-10	4717^21	4840D33	4879D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28		3651F98	4328F 0
26		3832F98	4341F 0
24		4035F98	4355F 1
22		4230F98	4369F 1
20		4277F98	4383F 2
18		4291F99	4396F 2
16		4303F99	4410F 2
14		4315F99	4423F 3
12		4329F 0	4437F 3
10		4343F 0	4451F 3
0		4418F 2	4529F 5
-10		4492F 4	4603F 8
-20		4569F 6	4679F10
-30		4642F 9	4756F12

High QNH **+60** per .10"
Low QNH **-1010** per .10"

Engine A/I ON **-440**
Wing A/I ON **-440**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3391F93	3927F 2	4064F 5
26	3412F94	3944F 2	4079F 5
24	3437F94	3959F 2	4094F 5
22	3461F94	3976F 3	4109F 6
20	3485F94	3993F 3	4124F 6
18	3510F95	4008F 3	4138F 6
16	3535F95	4021F 4	4154F 7
14	3563F95	4035F 4	4169F 7
12	3578F95	4050F 4	4184F 7
10	3597F96	4064F 5	4200F 8
0	3679F97	4146F 6	4245^10
-10	3771F99	4192^ 8	4265^12
-20	3883F 0	4208^11	4284^14
-30	3966F 2	4223^13	4277^15

High QNH **+20** per .10"
Low QNH **-80** per .10"

Engine A/I ON **-640**
Wing A/I ON **-640**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	294	Length	7546	Shift	**0**	Clearway	0	Stopway	0	Slope	-1.70
Rwy Rev.		Program						Rules	FAA		**08 Jun 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1088'		**DT H182**	**1088'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4332F26	4530^30	4586^31	4257F13	4518^23	4586D26	4712
46	87.7	4408F27	4620^31	4678^32	4329F14	4602^23	4678^26	4830
44	87.6	4456F28	4674^31	4733^32	4375F14	4655^24	4731^27	4893
42	87.4	4476F28	4696^32	4754^33	4395F14	4675^24	4754^27	4946
40	87.2	4493F28	4713^32	4773^33	4413F15	4695^24	4772^28	4959
38	86.9	4502F28	4722^32	4781^33	4425F15	4705^25	4781D28	4961
36	86.6	4513F28	4731^32	4789^33	4437F16	4716^25	4789D28	4962
34	86.3	4524F29	4740^32	4798^33	4449F16	4726^26	4798D29	4964
32	86.1	4536F29	4748^33	4809^34	4462F16	4738^26	4809D29	4966
30	85.8	4547F29	4758^33	4818^34	4475F17	4748^26	4818D29	4968
20	84.4	4607F30	4805^34	4865^35	4540F18	4805^28	4865D31	4976
10	82.9	4667F31	4845^34	4906^35	4604F20	4845D30	4906D33	4972
0	81.4	4722^32	4895^35	4939^36	4678F22	4895D32	4939D36	4984
-10	79.9	4764^33	4896^35	4937^36	4738^24	4896D35	4937D36	4987
-20	78.4	4764^33	4888^35	4931^36	4762^26	4888D35	4931D36	4985
-30	76.8	4749^33	4879^35	4923^35	4749D29	4879D35	4923D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4432^28	4589^31	4644^32	4329F15	4576^24	4644D28	4712
46	90.9	4515F29	4684^32	4740^33	4403F15	4663^25	4740D28	4830
44	90.8	4575F30	4747^33	4804^34	4458F16	4723^26	4802^29	4893
42	90.6	4620F30	4781^33	4839^34	4495F16	4759^26	4839^30	4946
40	90.3	4634^31	4799^33	4857^34	4513F17	4777^27	4857D30	4959
38	90.0	4644^31	4809^34	4866^35	4527F17	4789^27	4866D30	4961
36	89.7	4651^31	4817^34	4875^35	4540F17	4799^27	4875D31	4962
34	89.5	4661^31	4826^34	4883^35	4553F18	4810^28	4883D31	4964
32	89.2	4669^31	4835^34	4892^35	4567F18	4822^28	4892D31	4966
30	88.9	4678^31	4844^34	4901^35	4580F18	4834^29	4901D32	4968
20	87.4	4722^32	4888^35	4946^36	4648F20	4888D31	4946D34	4976
10	85.9	4760^33	4910^35	4948^36	4704^22	4910D33	4948D36	4972
0	84.3	4799^33	4915^35	4954^36	4760^24	4915D35	4954D36	4984
-10	82.8	4792^33	4912^35	4952^36	4789^26	4912D35	4952D36	4987
-20	81.2	4780^33	4904^35	4945^36	4780D29	4904D35	4945D36	4985
-30	79.6	4765^33	4893^35	4937^36	4765D32	4893D35	4937D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4432^28-28-38	4589^31-31-40	4644^32-32-41	4701^33-33-41
46	90.9	4515F29-29-39	4684^32-32-41	4740^33-33-42	4797^34-34-43
44	90.8	4575F30-30-40	4747^33-33-42	4804^34-34-43	4862^35-35-44
42	90.6	4620F30-30-40	4781^33-33-43	4839^34-34-43	4892^35-35-44
40	90.3	4634^31-31-40	4799^33-33-43	4857^34-34-44	4915^35-35-45
38	90.0	4644^31-31-41	4809^34-34-43	4866^35-35-44	4924^36-36-45
36	89.7	4651^31-31-41	4817^34-34-43	4875^35-35-44	4933^36-36-45
34	89.5	4661^31-31-41	4826^34-34-43	4883^35-35-44	4941^36-36-45
32	89.2	4669^31-31-41	4835^34-34-43	4892^35-35-44	4951^36-36-45
30	88.9	4678^31-31-41	4844^34-34-44	4901^35-35-44	4959^36-36-45
20	87.4	4722^32-32-42	4888^35-35-44	4946^36-36-45	4976C36-36-45
10	85.9	4760^33-33-42	4910^35-35-44	4948^36-36-45	4972C36-36-45
0	84.3	4799^33-33-43	4915^35-35-45	4961^42-42-51	4998C43-43-52
-10	82.8	4792^33-33-43	4948^42-42-51	5003C43-43-52	5003C43-43-52
-20	81.2	4815^39-39-49	4991^43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4857^40-40-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-170** per .10" Wing A/I ON **-840**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	88	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.05
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

Flaps **9**

OAT °C	-10T	+0	+10H
48	4432^28	4589^31	4644^32
46	4515F29	4684^32	4740^33
44	4575F30	4747^33	4804^34
42	4620F30	4781^33	4839^34
40	4634^31	4799^33	4857^34
38	4644^31	4809^34	4866^35
36	4651^31	4817^34	4875^35
34	4661^31	4826^34	4883^35
32	4669^31	4835^34	4892^35
30	4678^31	4844^34	4901^35
20	4722^32	4888^35	4946^36
10	4760^33	4910^35	4948^36
0	4799^33	4915^35	4954^36
-10	4792^33	4912^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-850**
Wing A/I ON **-850**

DRY - EAI VLV INOP OPEN

Flaps **9**

OAT °C	-10T	+0	+10H
48	4425F28	4582^30	4636^31
46	4504F29	4675^32	4732^33
44	4564F29	4739^33	4795^34
42	4608F30	4773^33	4831^34
40	4626F30	4792^33	4849^34
38	4636^31	4801^33	4858^34
36	4645^31	4810^34	4867^35
34	4652^31	4818^34	4876^35
32	4662^31	4827^34	4885^35
30	4670^31	4836^34	4894^35
20	4714^32	4881^35	4939^36
10	4701^32	4825^34	4863^35
0	4714^32	4828^34	4866^35
-10	4706^32	4824^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

DRY - Flaps

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

Flaps **9**

OAT °C	-10T	+0	+10H
48	4329F15	4576^24	4644D28
46	4403F15	4663^25	4740D28
44	4458F16	4723^26	4802^29
42	4495F16	4759^26	4839^30
40	4513F17	4777^27	4857D30
38	4527F17	4789^27	4866D30
36	4540F17	4799^27	4875D31
34	4553F18	4810^28	4883D31
32	4567F18	4822^28	4892D31
30	4580F18	4834^29	4901D32
20	4648F20	4888D31	4946D34
10	4704^22	4910D33	4948D36
0	4760^24	4915D35	4954D36
-10	4789^26	4912D35	4952D36

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-850**
Wing A/I ON **-850**

WET - EAI VLV INOP OPEN

Flaps **9**

OAT °C	-10T	+0	+10H
48	4322F14	4569^24	4636D27
46	4395F15	4655^25	4732D28
44	4450F16	4715^25	4794^29
42	4487F16	4751^26	4831^29
40	4505F17	4769^27	4849D30
38	4520F17	4781^27	4858D30
36	4532F17	4792^27	4867D31
34	4546F18	4804^28	4876D31
32	4559F18	4815^28	4885D31
30	4573F18	4826^28	4894D32
20	4640F20	4881D30	4939D34
10	4654^22	4825D33	4863D35
0	4709^24	4828D34	4866D35
-10	4705^27	4824D34	4864D35

High QNH **+0** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET - Flaps

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

Flaps **9**

OAT °C	-10T	+0	+10H
28	3425F98	4246F 6	4340F10
26	3560F98	4257F 7	4353F10
24	3718F98	4270F 7	4365F10
22	3854F98	4282F 7	4378F11
20	3969F98	4294F 8	4391F11
18	4037F98	4306F 8	4404F11
16	4047F98	4318F 8	4416F12
14	4059F99	4330F 9	4429F12
12	4069F99	4343F 9	4442F13
10	4080F99	4355F10	4455F13
0	4140F 1	4424F12	4528F15
-10	4197F 3	4493F14	4601F17
-20	4258F 5	4564F16	4677F20
-30	4321F 7	4639F18	4754F22

High QNH **+70** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

Flaps **22**

OAT °C	-10T	+0	+10H
28	3505F 2	3948F10	4114F12
26	3527F 2	3966F10	4131F13
24	3545F 2	3985F10	4152F13
22	3564F 2	4005F11	4170F13
20	3579F 3	4024F11	4188F13
18	3583F 3	4042F11	4209F14
16	3598F 3	4062F11	4228F14
14	3609F 4	4079F12	4249F14
12	3617F 4	4101F12	4270F15
10	3637F 4	4117F12	4280^15
0	3716F 6	4219F14	4285^15
-10	3806F 7	4238^14	4283^15
-20	3907F 9	4230^14	4277^15
-30	3999F10	4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

LEVEL 3 CONTAM

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	88	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.05
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1088'		**LT H180**	**1088'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4319F26	4568F30	4655F32	4247F13	4539F23	4642F26	4712
46	87.7	4395F27	4649F31	4737F33	4318F14	4616F23	4719F26	4830
44	87.6	4443F27	4700F32	4789F33	4364F14	4665F24	4769F27	4893
42	87.4	4462F28	4721F32	4810F34	4384F15	4687F24	4791F27	4946
40	87.2	4480F28	4739F32	4829F34	4403F15	4706F24	4811F27	4959
38	86.9	4491F28	4751F33	4841F34	4414F15	4719F25	4825F28	4961
36	86.6	4502F28	4763F33	4853F34	4426F16	4733F25	4839F28	4962
34	86.3	4513F28	4775F33	4865F35	4439F16	4746F25	4853F28	4964
32	86.1	4524F29	4787F33	4878F35	4451F16	4760F26	4867F29	4966
30	85.8	4534F29	4799F33	4889F35	4464F17	4774F26	4882F29	4968
20	84.4	4593F30	4862F34	4938^36	4529F18	4845F28	4938^31	4976
10	82.9	4653F31	4893^35	4931^36	4595F20	4892^30	4931D33	4972
0	81.4	4715F32	4898^35	4937^36	4666F22	4898D32	4937D36	4984
-10	79.9	4774F33	4895^35	4936^36	4735F24	4895D35	4936D36	4987
-20	78.4	4762^33	4887^35	4930^36	4761^26	4887D35	4930D36	4985
-30	76.8	4748^33	4877^35	4921^35	4748D29	4877D35	4921D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4421F28	4635^31	4667^32	4320F15	4623F24	4667^28	4712
46	90.9	4502F29	4749^33	4782^34	4393F15	4702F25	4780^28	4830
44	90.8	4562F29	4821F34	4871^35	4449F16	4762F25	4867^28	4893
42	90.6	4606F30	4865F35	4930^36	4485F16	4803F26	4914F29	4946
40	90.3	4624F30	4884F35	4940^36	4504F17	4823F26	4932F30	4959
38	90.0	4637F31	4898F35	4944^36	4518F17	4838F27	4940^30	4961
36	89.7	4648F31	4910F35	4945^36	4530F18	4852F27	4943^30	4962
34	89.5	4659F31	4911^35	4946^36	4543F18	4867F28	4944^31	4964
32	89.2	4670F31	4912^35	4947^36	4557F18	4881F28	4947^31	4966
30	88.9	4682F31	4913^35	4949^36	4570F19	4896F28	4948^32	4968
20	87.4	4740F32	4918^35	4954^36	4638F20	4916^30	4954D34	4976
10	85.9	4797^33	4909^35	4947^36	4706F22	4909D33	4947D36	4972
0	84.3	4798^33	4913^35	4953^36	4781F24	4913D35	4953D36	4984
-10	82.8	4791^33	4911^35	4951^36	4788^27	4911D35	4951D36	4987
-20	81.2	4779^33	4902^35	4944^36	4779D29	4902D35	4944D36	4985
-30	79.6	4764^33	4892^35	4936^36	4764D32	4892D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4421F28-28-37	4635^31-31-40	4667^32-32-41	4700^33-33-41
46	90.9	4502F29-29-39	4749^33-33-42	4782^34-34-43	4815^34-34-43
44	90.8	4562F29-29-39	4821F34-34-43	4871^35-35-44	4893C35-35-44
42	90.6	4606F30-30-40	4865F35-35-44	4930^36-36-45	4946C36-36-45
40	90.3	4624F30-30-40	4884F35-35-44	4940^36-36-45	4959C36-36-45
38	90.0	4637F31-31-41	4898F35-35-44	4944^36-36-45	4961C36-36-45
36	89.7	4648F31-31-41	4910F35-35-44	4945^36-36-45	4962C36-36-45
34	89.5	4659F31-31-41	4911^35-35-44	4946^36-36-45	4964C36-36-45
32	89.2	4670F31-31-41	4912^35-35-45	4947^36-36-45	4966C36-36-45
30	88.9	4682F31-31-41	4913^35-35-45	4949^36-36-45	4968C36-36-45
20	87.4	4740F32-32-42	4918^35-35-45	4954^36-36-45	4990C43-43-51
10	85.9	4797^33-33-43	4909^35-35-44	4986C42-42-51	4986C42-42-51
0	84.3	4798^33-33-43	4969F42-42-51	4998C43-43-52	4998C43-43-52
-10	82.8	4791^33-33-43	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.2	4821F40-40-49	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4882F41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-170** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	88	Length	8202	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.05
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4421F28	4635^31	4667^32	4411F27	4629^31	4662^32			
46	4502F29	4749^33	4782^34	4491F28	4743^33	4776^33			
44	4562F29	4821F34	4871^35	4550F29	4810F34	4865^35			
42	4606F30	4865F35	4930^36	4595F30	4855F34	4925^36			
40	4624F30	4884F35	4940^36	4613F30	4872F35	4935^36			
38	4637F31	4898F35	4944^36	4626F30	4887F35	4939^36			
36	4648F31	4910F35	4945^36	4637F31	4899F35	4941^36			
34	4659F31	4911^35	4946^36	4648F31	4907^35	4942^36			
32	4670F31	4912^35	4947^36	4660F31	4908^35	4943^36			
30	4682F31	4913^35	4949^36	4671F31	4909^35	4944^36			
20	4740F32	4918^35	4954^36	4730F32	4913^35	4949^36			
10	4797^33	4909^35	4947^36	4713^32	4824^34	4862^35			
0	4798^33	4913^35	4953^36	4713^32	4827^34	4865^35			
-10	4791^33	4911^35	4951^36	4705^32	4823^34	4863^35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-850** Wing A/I ON **-850**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4320F15	4623F24	4667^28	4312F15	4614F24	4662^27			
46	4393F15	4702F25	4780^28	4385F15	4692F25	4774^28			
44	4449F16	4762F25	4867^28	4440F16	4752F25	4861F28			
42	4485F16	4803F26	4914F29	4477F16	4793F26	4904F29			
40	4504F17	4823F26	4932F30	4496F17	4813F26	4923F29			
38	4518F17	4838F27	4940^30	4510F17	4829F27	4936^30			
36	4530F18	4852F27	4943^30	4523F17	4843F27	4938^30			
34	4543F18	4867F28	4944^31	4536F18	4858F27	4940^31			
32	4557F18	4881F28	4947^31	4549F18	4872F28	4942^31			
30	4570F19	4896F28	4948^32	4563F18	4887F28	4944^32			
20	4638F20	4916^30	4954D34	4630F20	4912^30	4949D34			
10	4706F22	4909D33	4947D36	4666F22	4824D33	4862D35			
0	4781F24	4913D35	4953D36	4707^24	4827D34	4865D35			
-10	4788^27	4911D35	4951D36	4704^27	4823D34	4863D35			
	High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-850** Wing A/I ON **-850**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3560F98	4238F 7	4331F10	3496F 2	3951F10	4119F12			
26	3713F98	4249F 7	4344F10	3513F 2	3973F10	4139F13			
24	3844F98	4261F 7	4357F11	3535F 2	3993F10	4158F13			
22	3961F98	4273F 8	4370F11	3551F 3	4010F11	4176F13			
20	4019F98	4286F 8	4382F11	3573F 3	4030F11	4194F13			
18	4030F98	4297F 8	4395F12	3580F 3	4048F11	4215F14			
16	4039F99	4309F 9	4408F12	3587F 3	4068F12	4235F14			
14	4049F99	4321F 9	4421F13	3601F 4	4085F12	4256F14			
12	4061F99	4334F10	4433F13	3615F 4	4104F12	4276F15			
10	4072F 0	4346F10	4444F13	3627F 4	4124F12	4279^15			
0	4131F 2	4416F12	4519F15	3705F 6	4225F14	4283^15			
-10	4188F 4	4485F14	4592F18	3794F 8	4237^14	4282^15			
-20	4248F 6	4556F16	4667F20	3900F 9	4233^14	4276^15			
-30	4311F 8	4630F19	4745F22	4000F11	4220^14	4268^15			
	High QNH **+70** per .10" Low QNH **-60** per .10"			High QNH **+0** per .10" Low QNH **-100** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-450** Wing A/I ON **-450**			Engine A/I ON **-710** Wing A/I ON **-710**			Engine A/I ON Wing A/I ON		

Elevation 88 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.05

Rwy Rev. Program Rules FAA **26 Oct 17**

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PUERTO VALLARTA -PVR 04 *LT H230*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1023'		**LT H230**	**1023'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4387^27	4536^30	4588^31	4387D26	4536D31	4588D31	4724
46	87.7	4478^28	4633^31	4686^32	4478D27	4633D32	4686D33	4843
44	87.6	4530^29	4687^32	4741^33	4530D27	4687D33	4741D33	4900
42	87.4	4546^29	4704^32	4758^33	4546D27	4704D33	4758D34	4947
40	87.1	4561^29	4718^32	4773^33	4561D28	4718D33	4773D34	4959
38	86.8	4568^29	4726^32	4780^33	4568D28	4726D33	4780D34	4961
36	86.6	4575^30	4732^32	4787^33	4575D28	4732D33	4787D34	4962
34	86.3	4582^30	4740^32	4795^33	4582D29	4740D33	4795D34	4964
32	86.0	4590^30	4748^33	4802^33	4590D29	4748D34	4802D34	4966
30	85.7	4597^30	4755^33	4810^34	4597D30	4755D34	4810D35	4968
20	84.3	4634^31	4793^33	4847^34	4634D32	4793D34	4847D35	4976
10	82.8	4665^31	4823^34	4878^35	4665D32	4823D35	4878D36	4973
0	81.3	4704^32	4862^34	4917^35	4704D33	4862D35	4917D36	4984
-10	79.8	4736^32	4894^35	4935^36	4736D33	4894D35	4935D36	4988
-20	78.3	4762^33	4887^35	4929^36	4762D33	4887D35	4929D36	4985
-30	76.7	4747^32	4877^35	4921^35	4747D33	4877D35	4921D36	4983

High QNH **+10** per .10" — Engine A/I ON **-850**
Low QNH **-160** per .10" — Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4436^28	4581^30	4632^31	4436D28	4581D31	4632D32	4724
46	90.9	4532^29	4682^32	4733^33	4532D28	4682D33	4733D34	4843
44	90.8	4591^30	4743^33	4795^33	4591D29	4743D34	4795D34	4900
42	90.5	4619^30	4771^33	4823^34	4619D30	4771D34	4823D35	4947
40	90.2	4632^31	4785^33	4838^34	4632D30	4785D34	4838D35	4959
38	89.9	4639^31	4792^33	4844^34	4639D31	4792D34	4844D35	4961
36	89.7	4646^31	4798^33	4851^34	4646D31	4798D34	4851D35	4962
34	89.4	4653^31	4805^34	4857^34	4653D31	4805D34	4857D35	4964
32	89.1	4659^31	4812^34	4865^35	4659D32	4812D35	4865D35	4966
30	88.8	4666^31	4819^34	4872^35	4666D32	4819D35	4872D36	4968
20	87.3	4702^32	4854^34	4907^35	4702D33	4854D35	4907D36	4976
10	85.8	4729^32	4882^35	4934^36	4729D33	4882D35	4934D36	4973
0	84.2	4766^33	4913^35	4952^36	4766D33	4913D35	4952D36	4984
-10	82.7	4791^33	4910^35	4951^36	4791D33	4910D35	4951D36	4988
-20	81.1	4778^33	4902^35	4944^36	4778D33	4902D35	4944D36	4985
-30	79.5	4763^33	4892^35	4935^36	4763D33	4892D35	4935D36	4983

High QNH **+10** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4436^28-28-38	4581^30-30-40	4632^31-31-40	4683^32-32-41
46	90.9	4532^29-29-39	4682^32-32-41	4733^33-33-42	4786^34-34-43
44	90.8	4591^30-30-40	4743^33-33-42	4795^33-33-43	4848^34-34-44
42	90.5	4619^30-30-40	4771^33-33-42	4823^34-34-43	4877^35-35-44
40	90.2	4632^31-31-40	4785^33-33-43	4838^34-34-43	4891^35-35-44
38	89.9	4639^31-31-41	4792^33-33-43	4844^34-34-44	4898^35-35-44
36	89.7	4646^31-31-41	4798^33-33-43	4851^34-34-44	4904^35-35-44
34	89.4	4653^31-31-41	4805^34-34-43	4857^34-34-44	4911^35-35-44
32	89.1	4659^31-31-41	4812^34-34-43	4865^35-35-44	4918^35-35-45
30	88.8	4666^31-31-41	4819^34-34-43	4872^35-35-44	4925^36-36-45
20	87.3	4702^32-32-41	4854^34-34-44	4907^35-35-44	4961^36-36-45
10	85.8	4729^32-32-42	4882^35-35-44	4934^36-36-45	4973C36-36-45
0	84.2	4766^33-33-42	4913^35-35-45	4952^36-36-45	4998C43-43-52
-10	82.7	4791^33-33-43	4925^41-41-51	4981^42-42-51	5003C43-43-52
-20	81.1	4796^39-39-49	4957^42-42-51	5000C43-43-52	5000C43-43-52
-30	79.5	4826^40-40-49	4988^42-42-51	4996C43-43-52	4996C43-43-52

High QNH **+10** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 23 Length 10187 Shift **0** Clearway 0 Stopway 0 Slope +0.12
Rwy Rev. Program Rules FAA **26 Apr 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4436^28	4581^30	4632^31
46	4532^29	4682^32	4733^33
44	4591^30	4743^33	4795^33
42	4619^30	4771^33	4823^34
40	4632^31	4785^33	4838^34
38	4639^31	4792^33	4844^34
36	4646^31	4798^33	4851^34
34	4653^31	4805^34	4857^34
32	4659^31	4812^34	4865^35
30	4666^31	4819^34	4872^35
20	4702^32	4854^34	4907^35
10	4729^32	4882^35	4934^36
0	4766^33	4913^35	4952^36
-10	4791^33	4910^35	4951^36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4429^28	4575^30	4624^31
46	4524^29	4674^32	4725^33
44	4583^30	4735^32	4787^33
42	4611^30	4763^33	4816^34
40	4626^30	4778^33	4831^34
38	4633^31	4784^33	4838^34
36	4639^31	4792^33	4845^34
34	4645^31	4799^33	4851^34
32	4653^31	4806^34	4858^34
30	4660^31	4813^34	4866^35
20	4695^32	4849^34	4901^35
10	4666^31	4815^34	4861^35
0	4703^32	4827^34	4865^35
-10	4703^32	4823^34	4862^35

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4436D28	4581D31	4632D32
46	4532D28	4682D33	4733D34
44	4591D29	4743D34	4795D34
42	4619D30	4771D34	4823D35
40	4632D30	4785D34	4838D35
38	4639D31	4792D34	4844D35
36	4646D31	4798D34	4851D35
34	4653D31	4805D34	4857D35
32	4659D32	4812D35	4865D35
30	4666D32	4819D35	4872D36
20	4702D33	4854D35	4907D36
10	4729D33	4882D35	4934D36
0	4766D33	4913D35	4952D36
-10	4791D33	4910D35	4951D36

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4429D28	4575D31	4624D32
46	4524D28	4674D33	4725D33
44	4583D29	4735D33	4787D34
42	4611D30	4763D34	4816D35
40	4626D30	4778D34	4831D35
38	4633D30	4784D34	4838D35
36	4639D31	4792D34	4845D35
34	4645D31	4799D34	4851D35
32	4653D32	4806D34	4858D35
30	4660D32	4813D35	4866D35
20	4695D33	4849D35	4901D36
10	4666D32	4815D34	4861D35
0	4703D32	4827D34	4865D35
-10	4703D32	4823D34	4862D35

High QNH **+10** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4329^ 9	4547^19	4627^22
26	4339^ 9	4559^20	4637^23
24	4349^10	4570^20	4649^23
22	4359^10	4581^20	4661^24
20	4369^10	4591^21	4672^24
18	4378^11	4602^21	4684^25
16	4388^11	4614^22	4695^25
14	4398^12	4624^22	4706^25
12	4407^12	4634^23	4716^26
10	4416^13	4644^23	4726^26
0	4470^15	4704^25	4789^28
-10	4521^17	4762^27	4849^31
-20	4571^19	4818^30	4909^33
-30	4623^22	4877^32	4931^36

High QNH **+20** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-680**
Wing A/I ON **-680**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4119^13	4340^22	4429^25
26	4129^13	4352^23	4443^25
24	4138^14	4364^23	4455^26
22	4147^14	4376^23	4469^26
20	4157^14	4388^24	4482^27
18	4166^15	4401^24	4497^27
16	4176^15	4413^24	4510^27
14	4185^16	4426^25	4522^28
12	4194^16	4439^25	4536^28
10	4204^16	4452^26	4552^28
0	4258^18	4523^27	4632^30
-10	4310^20	4595^29	4718^32
-20	4367^22	4678^31	4797^33
-30	4425^24	4770^33	4826^34

High QNH **+70** per .10"
Low QNH **-80** per .10"

Engine A/I ON **-580**
Wing A/I ON **-580**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	23	Length	10187	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.12
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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PUERTO VALLARTA -PVR 22 *RT H270*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1023'		**RT H270**	**1023'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4435^28	4593^31	4647^32
46	87.7	4525^29	4688^32	4743^33
44	87.6	4576^30	4742^33	4799^34
42	87.4	4593^30	4760^33	4817^34
40	87.1	4608^30	4775^33	4832^34
38	86.8	4615^30	4783^33	4840^34
36	86.6	4623^30	4790^33	4847^34
34	86.3	4631^31	4798^33	4856^34
32	86.0	4640^31	4807^34	4864^35
30	85.7	4648^31	4814^34	4872^35
20	84.3	4690^32	4856^34	4914^35
10	82.8	4724^32	4892^35	4934^36
0	81.3	4767^33	4900^35	4940^36
-10	79.8	4777^33	4897^35	4938^36
-20	78.3	4765^33	4890^35	4932^36
-30	76.7	4750^33	4880^35	4924^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4435D26	4593D32	4647D32	4724
4525D26	4688D33	4743D34	4843
4576D27	4742D34	4799D35	4900
4593D27	4760D34	4817D35	4947
4608D27	4775D34	4832D35	4959
4615D28	4783D34	4840D35	4961
4623D28	4790D34	4847D35	4962
4631D28	4798D35	4856D35	4964
4640D29	4807D35	4864D36	4966
4648D29	4814D35	4872D36	4968
4690D31	4856D35	4914D36	4976
4724D33	4892D35	4934D36	4973
4767D33	4900D35	4940D36	4984
4777D33	4897D35	4938D36	4988
4765D33	4890D35	4932D36	4985
4750D33	4880D35	4924D36	4983

High QNH **+10** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4491^29	4645^32	4681^32
46	90.9	4586^30	4744^33	4796^34
44	90.8	4647^31	4807^34	4861^35
42	90.5	4676^31	4837^34	4891^35
40	90.2	4690^32	4851^34	4906^35
38	89.9	4698^32	4858^34	4914^35
36	89.7	4704^32	4865^35	4921^35
34	89.4	4712^32	4873^35	4928^36
32	89.1	4720^32	4881^35	4936^36
30	88.8	4728^32	4889^35	4944^36
20	87.3	4767^33	4920^35	4956^36
10	85.8	4799^33	4911^35	4949^36
0	84.2	4800^33	4916^35	4955^36
-10	82.7	4793^33	4913^35	4953^36
-20	81.1	4780^33	4905^35	4946^36
-30	79.5	4766^33	4894^35	4938^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4491D27	4645D32	4681D32	4724
4586D28	4744D33	4796D34	4843
4647D29	4807D34	4861D35	4900
4676D29	4837D35	4891D36	4947
4690D30	4851D35	4906D36	4959
4698D30	4858D35	4914D36	4961
4704D30	4865D35	4921D36	4962
4712D31	4873D35	4928D36	4964
4720D31	4881D35	4936D36	4966
4728D32	4889D36	4944D36	4968
4767D34	4920D36	4956D36	4976
4799D34	4911D35	4949D36	4973
4800D34	4916D35	4955D36	4984
4793D33	4913D35	4953D36	4988
4780D33	4905D35	4946D36	4985
4766D33	4894D35	4938D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4491^29-29-38	4645^32-32-41	4681^32-32-41	4714^33-33-42
46	90.9	4586^30-30-40	4744^33-33-42	4796^34-34-43	4829^34-34-43
44	90.8	4647^31-31-41	4807^34-34-43	4861^35-35-44	4900C35-35-44
42	90.5	4676^31-31-41	4837^34-34-43	4891^35-35-44	4947^36-36-45
40	90.2	4690^32-32-41	4851^34-34-44	4906^35-35-44	4959C36-36-45
38	89.9	4698^32-32-41	4858^34-34-44	4914^35-35-45	4961C36-36-45
36	89.7	4704^32-32-42	4865^35-35-44	4921^35-35-45	4962C36-36-45
34	89.4	4712^32-32-42	4873^35-35-44	4928^36-36-45	4964C36-36-45
32	89.1	4720^32-32-42	4881^35-35-44	4936^36-36-45	4966C36-36-45
30	88.8	4728^32-32-42	4889^35-35-44	4944^36-36-45	4968C36-36-45
20	87.3	4767^33-33-42	4920^35-35-45	4956^36-36-45	4986^42-42-51
10	85.8	4799^33-33-43	4911^35-35-44	4966^42-42-51	4986C42-42-51
0	84.2	4800^33-33-43	4954^42-42-51	4998C43-43-52	4998C43-43-52
-10	82.7	4826^40-40-49	4996^43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4863^40-40-50	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4898^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-170** per .10" — Wing A/I ON **-830**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	23	Length	10187	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.12
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4491^29	4645^32	4681^32	4484^29	4637^31	4675^32			
46	4586^30	4744^33	4796^34	4578^30	4736^33	4790^34			
44	4647^31	4807^34	4861^35	4638^31	4798^34	4853^34			
42	4676^31	4837^34	4891^35	4668^31	4828^34	4883^35			
40	4690^32	4851^34	4906^35	4682^31	4843^34	4898^35			
38	4698^32	4858^34	4914^35	4690^32	4851^34	4906^35			
36	4704^32	4865^35	4921^35	4697^32	4859^34	4914^35			
34	4712^32	4873^35	4928^36	4705^32	4866^35	4922^36			
32	4720^32	4881^35	4936^36	4713^32	4874^35	4930^36			
30	4728^32	4889^35	4944^36	4720^32	4882^35	4937^36			
20	4767^33	4920^35	4956^36	4760^33	4915^35	4951^36			
10	4799^33	4911^35	4949^36	4715^32	4826^34	4863^35			
0	4800^33	4916^35	4955^36	4715^32	4829^34	4867^35			
-10	4793^33	4913^35	4953^36	4706^32	4825^34	4865^35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4491D27	4645D32	4681D32	4484D27	4637D32	4675D32			
46	4586D28	4744D33	4796D34	4578D28	4736D33	4790D34			
44	4647D29	4807D34	4861D35	4638D28	4798D34	4853D35			
42	4676D29	4837D35	4891D36	4668D29	4828D35	4883D36			
40	4690D30	4851D35	4906D36	4682D30	4843D35	4898D36			
38	4698D30	4858D35	4914D36	4690D30	4851D35	4906D36			
36	4704D30	4865D35	4921D36	4697D30	4859D35	4914D36			
34	4712D31	4873D35	4928D36	4705D31	4866D35	4922D36			
32	4720D31	4881D35	4936D36	4713D31	4874D35	4930D36			
30	4728D32	4889D36	4944D36	4720D32	4882D35	4937D36			
20	4767D34	4920D36	4956D36	4760D34	4915D35	4951D36			
10	4799D34	4911D35	4949D36	4715D32	4826D34	4863D35			
0	4800D34	4916D35	4955D36	4715D32	4829D34	4867D35			
-10	4793D33	4913D35	4953D36	4706D32	4825D34	4865D35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -860 Wing A/I ON -860			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4344^ 8	4568^18	4649^22	4129^12	4348^22	4438^25			
26	4356^ 9	4579^19	4661^22	4140^13	4361^22	4450^25			
24	4365^ 9	4591^19	4674^23	4149^13	4372^23	4464^26			
22	4376^ 9	4602^20	4686^23	4159^14	4385^23	4477^26			
20	4387^10	4614^20	4697^23	4168^14	4397^23	4490^26			
18	4397^10	4625^20	4710^24	4177^14	4410^24	4504^27			
16	4406^10	4638^21	4722^24	4186^15	4422^24	4518^27			
14	4416^11	4650^21	4733^25	4195^15	4435^24	4532^27			
12	4426^11	4660^22	4744^25	4205^15	4447^25	4546^28			
10	4435^12	4670^22	4755^26	4214^16	4460^25	4560^28			
0	4493^14	4734^24	4821^28	4270^18	4531^27	4638^30			
-10	4547^16	4795^27	4885^30	4323^20	4603^29	4718^32			
-20	4601^18	4855^29	4930^33	4379^22	4681^31	4811^34			
-30	4655^21	4879^32	4933^35	4437^24	4768^33	4888^35			
	High QNH +20 per .10" Low QNH -50 per .10"			High QNH +80 per .10" Low QNH -70 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -680 Wing A/I ON -680			Engine A/I ON -440 Wing A/I ON -440			Engine A/I ON Wing A/I ON		

Elevation	23	Length	10187	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.12
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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QUERETARO -QRO 09 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.0 QET	***7100'**	****RT QET**	**7296'**	**STD**

*USE ONLY IF QET DME OTS; **IF QET VOR OTS RT H270

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	88.9	4019^22	4101^24	4128^24	4019D22	4101D24	4128D24	4186
34	89.2	4097^23	4180^25	4207^25	4097D23	4180D25	4207D25	4265
32	89.4	4174^24	4258^26	4286^26	4174D25	4258D26	4286D27	4343
30	89.7	4254^26	4338^27	4367^28	4254D26	4338D27	4367D28	4424
28	89.8	4335^27	4420^28	4449^29	4335D27	4420D28	4449D29	4507
26	90.0	4416^28	4501^29	4530^30	4416D28	4501D30	4530D30	4591
24	90.1	4496^29	4583^31	4612^31	4496D28	4583D31	4612D31	4674
22	90.2	4552^30	4640^31	4669^32	4552D29	4640D32	4669D32	4732
20	90.4	4558^30	4646^32	4676^32	4558D30	4646D32	4676D32	4741
18	90.1	4560^30	4649^32	4679^32	4560D30	4649D32	4679D32	4742
16	89.8	4561^30	4651^32	4681^32	4561D30	4651D32	4681D32	4744
10	88.8	4562^30	4653^32	4683^32	4562D30	4653D32	4683D32	4748
0	87.2	4557^30	4651^32	4682^32	4557D30	4651D32	4682D32	4750
-10	85.6	4542^30	4639^31	4671^32	4542D30	4639D32	4671D32	4741
-20	84.0	4536^30	4635^31	4669^32	4536D30	4635D31	4669D32	4744
-30	82.3	4519^29	4622^31	4656^32	4519D29	4622D31	4656D32	4736

High QNH **+100** per .10" — Engine A/I ON **-4320**
Low QNH **-170** per .10" — Wing A/I ON **-4320**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	92.4	4029^22	4110^24	4137^24	4029D22	4110D24	4137D24	4186
34	92.7	4107^23	4189^25	4217^25	4107D24	4189D25	4217D26	4265
32	92.9	4185^25	4268^26	4296^27	4185D25	4268D26	4296D27	4343
30	93.2	4265^26	4349^27	4377^28	4265D26	4349D27	4377D28	4424
28	93.5	4347^27	4430^29	4458^29	4347D27	4430D29	4458D29	4507
26	93.9	4428^28	4513^30	4541^30	4428D28	4513D30	4541D30	4591
24	94.0	4509^29	4595^31	4624^31	4509D29	4595D31	4624D31	4674
22	93.9	4567^30	4654^32	4682^32	4567D30	4654D32	4682D32	4732
20	93.8	4576^30	4662^32	4691^32	4576D30	4662D32	4691D32	4741
18	93.5	4579^30	4666^32	4695^32	4579D30	4666D32	4695D32	4742
16	93.1	4580^30	4668^32	4697^32	4580D30	4668D32	4697D33	4744
10	92.2	4580^30	4669^32	4699^32	4580D30	4669D32	4699D33	4748
0	90.5	4574^30	4667^32	4697^32	4574D30	4667D32	4697D32	4750
-10	88.8	4559^30	4654^32	4686^32	4559D30	4654D32	4686D32	4741
-20	87.1	4552^30	4651^32	4683^32	4552D30	4651D32	4683D32	4744
-30	85.4	4535^30	4637^31	4671^32	4535D30	4637D31	4671D32	4736

High QNH **+100** per .10" — Engine A/I ON **-4370**
Low QNH **-170** per .10" — Wing A/I ON **-4370**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
36	92.4	4152^30-30-39	4229^32-32-40	4243C32-32-40	4243C32-32-40
34	92.7	4232^31-31-40	4311^33-33-41	4323C33-33-41	4323C33-33-41
32	92.9	4312^33-33-41	4391^34-34-42	4401C34-34-43	4401C34-34-43
30	93.2	4387^34-34-42	4474^35-35-44	4480C35-35-44	4480C35-35-44
28	93.5	4457^35-35-44	4558^37-37-45	4565C37-37-45	4565C37-37-45
26	93.9	4526^36-36-45	4642^38-38-46	4650C38-38-46	4650C38-38-46
24	94.0	4598^37-37-46	4728^39-39-48	4735C39-39-48	4735C39-39-48
22	93.9	4653^37-37-47	4789^40-40-49	4790C40-40-49	4790C40-40-49
20	93.8	4686^38-38-47	4798^40-40-49	4804C40-40-49	4804C40-40-49
18	93.5	4697^38-38-47	4802^40-40-49	4806C40-40-49	4806C40-40-49
16	93.1	4706^38-38-47	4804^40-40-49	4807C40-40-49	4807C40-40-49
10	92.2	4720^39-39-48	4806^40-40-49	4812C40-40-49	4812C40-40-49
0	90.5	4716^38-38-48	4804^40-40-49	4819C40-40-49	4819C40-40-49
-10	88.8	4700^38-38-47	4791^40-40-49	4809C40-40-49	4809C40-40-49
-20	87.1	4693^38-38-47	4788^40-40-49	4813C40-40-49	4813C40-40-49
-30	85.4	4676^38-38-47	4773^39-39-48	4806^40-40-49	4806C40-40-49

High QNH **+100** per .10" — Engine A/I ON **-4460**
Low QNH **-180** per .10" — Wing A/I ON **-4460**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6296 Length 11483 Shift **0** Clearway 0 Stopway 1148 Slope +0.28
Rwy Rev. Program Rules FAA **17 May 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4029^22	4110^24	4137^24	4024^22	4105^24	4132^24			
34	4107^23	4189^25	4217^25	4103^23	4185^25	4212^25			
32	4185^25	4268^26	4296^27	4181^25	4264^26	4291^27			
30	4265^26	4349^27	4377^28	4261^26	4345^27	4373^28			
28	4347^27	4430^29	4458^29	4342^27	4426^28	4454^29			
26	4428^28	4513^30	4541^30	4423^28	4509^30	4537^30			
24	4509^29	4595^31	4624^31	4506^29	4592^31	4621^31			
22	4567^30	4654^32	4682^32	4565^30	4652^32	4680^32			
20	4576^30	4662^32	4691^32	4574^30	4660^32	4689^32			
18	4579^30	4666^32	4695^32	4577^30	4664^32	4693^32			
16	4580^30	4668^32	4697^32	4578^30	4666^32	4695^32			
10	4580^30	4669^32	4699^32	4144^24	4231^26	4260^26			
0	4574^30	4667^32	4697^32	4507^29	4599^31	4629^31			
-10	4559^30	4654^32	4686^32	4492^29	4586^31	4617^31			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +90 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4370 Wing A/I ON -4370			Engine A/I ON -20 Wing A/I ON -20			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4029D22	4110D24	4137D24	4024D22	4105D24	4132D24			
34	4107D24	4189D25	4217D26	4103D23	4185D25	4212D25			
32	4185D25	4268D26	4296D27	4181D25	4264D26	4291D27			
30	4265D26	4349D27	4377D28	4261D26	4345D27	4373D28			
28	4347D27	4430D29	4458D29	4342D27	4426D29	4454D29			
26	4428D28	4513D30	4541D30	4423D28	4509D30	4537D30			
24	4509D29	4595D31	4624D31	4506D29	4592D31	4621D31			
22	4567D30	4654D32	4682D32	4565D30	4652D32	4680D32			
20	4576D30	4662D32	4691D32	4574D30	4660D32	4689D32			
18	4579D30	4666D32	4695D32	4577D30	4664D32	4693D32			
16	4580D30	4668D32	4697D33	4578D30	4666D32	4695D32			
10	4580D30	4669D32	4699D33	4144D24	4231D26	4260D26			
0	4574D30	4667D32	4697D32	4507D29	4599D31	4629D32			
-10	4559D30	4654D32	4686D32	4492D29	4586D31	4617D31			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +90 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4370 Wing A/I ON -4370			Engine A/I ON -20 Wing A/I ON -20			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4126F 8	4349^17	4415^19	3885F12	4113F19	4193F21			
26	4187F 8	4415^17	4481^20	3947F12	4176F19	4257F22			
24	4250F 9	4482^17	4550^20	4011F13	4242F20	4324F22			
22	4301F 9	4535^18	4604^21	4066F13	4303F21	4386F23			
20	4336F10	4568^19	4638^22	4105F14	4349F22	4435F24			
18	4353F10	4584^19	4655^22	4126F15	4370F22	4454F25			
16	4366F11	4596^20	4661^23	4138F15	4383F23	4470F25			
14	4378F11	4607^20	4663^23	4147F15	4395F23	4482F25			
12	4392F12	4618^21	4666^24	4159F16	4409F23	4496F26			
10	4402F12	4630^21	4667^24	4173F16	4424F24	4510F26			
0	4466F14	4635^23	4674^27	4230F18	4490F25	4581^28			
-10	4515^16	4632^26	4672^29	4290F20	4559F27	4640^30			
-20	4516^19	4637^29	4678^32	4355F21	4606^29	4656^32			
-30	4508^22	4631^31	4665^32	4420F23	4609^31	4644^31			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4070 Wing A/I ON -4070			Engine A/I ON -2130 Wing A/I ON -2130			Engine A/I ON Wing A/I ON		

Elevation 6296 Length 11483 Shift **0** Clearway 0 Stopway 1148 Slope +0.28

Rwy Rev. Program Rules FAA **17 May 17**

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QUERETARO -QRO 27 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.0 QET	***7300'**	****LT QET**	**7296'**	**STD**

*USE ONLY IF QET DME OTS; **IF QET VOR OTS LT H080 NOTAMS A3587/20

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	88.9	4025^22	4107^24	4134^24
34	89.2	4103^23	4185^25	4213^25
32	89.4	4181^25	4262^26	4292^27
30	89.7	4261^26	4343^27	4372^28
28	89.8	4342^27	4427^28	4455^29
26	90.0	4423^28	4508^30	4537^30
24	90.1	4503^29	4590^31	4619^31
22	90.2	4560^30	4647^32	4676^32
20	90.4	4566^30	4653^32	4682^32
18	90.1	4568^30	4656^32	4686^32
16	89.8	4569^30	4658^32	4687^32
10	88.8	4569^30	4660^32	4690^32
0	87.2	4564^30	4657^32	4688^32
-10	85.6	4549^30	4645^31	4677^32
-20	84.0	4543^30	4642^31	4675^32
-30	82.3	4526^29	4628^31	4662^32

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
36	88.9	4025D22	4107D24	4134D24	4186
34	89.2	4103D23	4185D25	4213D25	4265
32	89.4	4181D25	4262D26	4292D27	4343
30	89.7	4261D26	4343D27	4372D28	4424
28	89.8	4342D27	4427D29	4455D29	4507
26	90.0	4423D28	4508D30	4537D30	4591
24	90.1	4503D29	4590D31	4619D31	4674
22	90.2	4560D29	4647D32	4676D32	4732
20	90.4	4566D30	4653D32	4682D32	4741
18	90.1	4568D30	4656D32	4686D32	4742
16	89.8	4569D30	4658D32	4687D32	4744
10	88.8	4569D30	4660D32	4690D32	4748
0	87.2	4564D30	4657D32	4688D32	4750
-10	85.6	4549D30	4645D32	4677D32	4741
-20	84.0	4543D30	4642D32	4675D32	4744
-30	82.3	4526D30	4628D31	4662D32	4736

High QNH **+100** per .10" Engine A/I ON **-4340**
Low QNH **-170** per .10" Wing A/I ON **-4340**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
36	92.4	4035^22	4116^24	4143^24
34	92.7	4113^24	4195^25	4222^26
32	92.9	4191^25	4273^26	4301^27
30	93.2	4271^26	4354^27	4382^28
28	93.5	4352^27	4437^29	4464^29
26	93.9	4434^28	4519^30	4547^30
24	94.0	4516^29	4602^31	4630^31
22	93.9	4574^30	4660^32	4688^32
20	93.8	4582^30	4668^32	4697^32
18	93.5	4585^30	4672^32	4701^32
16	93.1	4586^30	4674^32	4703^32
10	92.2	4586^30	4675^32	4705^33
0	90.5	4581^30	4672^32	4703^32
-10	88.8	4565^30	4660^32	4692^32
-20	87.1	4559^30	4656^32	4689^32
-30	85.4	4541^30	4642^31	4676^32

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
36	92.4	4035D22	4116D24	4143D24	4186
34	92.7	4113D24	4195D25	4222D26	4265
32	92.9	4191D25	4273D26	4301D27	4343
30	93.2	4271D26	4354D28	4382D28	4424
28	93.5	4352D27	4437D29	4464D29	4507
26	93.9	4434D28	4519D30	4547D30	4591
24	94.0	4516D30	4602D31	4630D32	4674
22	93.9	4574D30	4660D32	4688D32	4732
20	93.8	4582D31	4668D32	4697D33	4741
18	93.5	4585D31	4672D32	4701D33	4742
16	93.1	4586D31	4674D32	4703D33	4744
10	92.2	4586D31	4675D32	4705D33	4748
0	90.5	4581D30	4672D32	4703D33	4750
-10	88.8	4565D30	4660D32	4692D32	4741
-20	87.1	4559D30	4656D32	4689D32	4744
-30	85.4	4541D30	4642D32	4676D32	4736

High QNH **+100** per .10" Engine A/I ON **-4380**
Low QNH **-170** per .10" Wing A/I ON **-4380**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
36	92.4	4158^30-30-39	4235^32-32-40	4243C32-32-40	4243C32-32-40
34	92.7	4239^31-31-40	4317^33-33-41	4323C33-33-41	4323C33-33-41
32	92.9	4319^33-33-41	4397^34-34-43	4401C34-34-43	4401C34-34-43
30	93.2	4401^34-34-43	4480C35-35-44	4480C35-35-44	4480C35-35-44
28	93.5	4484^35-35-44	4564^37-37-45	4565C37-37-45	4565C37-37-45
26	93.9	4569^36-36-45	4649^38-38-46	4650C38-38-46	4650C38-38-46
24	94.0	4640T37-37-46	4735C39-39-48	4735C39-39-48	4735C39-39-48
22	93.9	4674T38-38-47	4790C40-40-49	4790C40-40-49	4790C40-40-49
20	93.8	4708T38-38-47	4804C40-40-49	4804C40-40-49	4804C40-40-49
18	93.5	4726^39-39-48	4806C40-40-49	4806C40-40-49	4806C40-40-49
16	93.1	4727^39-39-48	4807C40-40-49	4807C40-40-49	4807C40-40-49
10	92.2	4727^39-39-48	4812C40-40-49	4812C40-40-49	4812C40-40-49
0	90.5	4723^39-39-48	4811^40-40-49	4819C40-40-49	4819C40-40-49
-10	88.8	4707^38-38-47	4798^40-40-49	4809C40-40-49	4809C40-40-49
-20	87.1	4700^38-38-47	4794^40-40-49	4813C40-40-49	4813C40-40-49
-30	85.4	4682^38-38-47	4780^40-40-48	4806C40-40-49	4806C40-40-49

High QNH **+100** per .10" Engine A/I ON **-4470**
Low QNH **-180** per .10" Wing A/I ON **-4470**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	6296	Length	11483	Shift	**0**	Clearway	0	Stopway	1148	Slope	-0.28
Rwy Rev.		Program						Rules	FAA		**02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4035^22	4116^24	4143^24	4030^22	4110^24	4137^24			
34	4113^24	4195^25	4222^26	4109^23	4190^25	4217^25			
32	4191^25	4273^26	4301^27	4187^25	4269^26	4297^27			
30	4271^26	4354^27	4382^28	4267^26	4350^27	4378^28			
28	4352^27	4437^29	4464^29	4348^27	4433^29	4460^29			
26	4434^28	4519^30	4547^30	4430^28	4515^30	4543^30			
24	4516^29	4602^31	4630^31	4513^29	4599^31	4627^31			
22	4574^30	4660^32	4688^32	4572^30	4658^32	4687^32			
20	4582^30	4668^32	4697^32	4580^30	4666^32	4695^32			
18	4585^30	4672^32	4701^32	4583^30	4670^32	4699^32			
16	4586^30	4674^32	4703^32	4584^30	4672^32	4701^32			
10	4586^30	4675^32	4705^33	4150^24	4236^26	4265^26			
0	4581^30	4672^32	4703^32	4513^29	4604^31	4635^32			
-10	4565^30	4660^32	4692^32	4498^29	4592^31	4623^31			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +90 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4380 Wing A/I ON -4380			Engine A/I ON -30 Wing A/I ON -30			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4035D22	4116D24	4143D24	4030D22	4110D24	4137D24			
34	4113D24	4195D25	4222D26	4109D24	4190D25	4217D26			
32	4191D25	4273D26	4301D27	4187D25	4269D26	4297D27			
30	4271D26	4354D28	4382D28	4267D26	4350D27	4378D28			
28	4352D27	4437D29	4464D29	4348D27	4433D29	4460D29			
26	4434D28	4519D30	4547D30	4430D28	4515D30	4543D30			
24	4516D30	4602D31	4630D32	4513D30	4599D31	4627D32			
22	4574D30	4660D32	4688D32	4572D30	4658D32	4687D32			
20	4582D31	4668D32	4697D33	4580D31	4666D32	4695D32			
18	4585D31	4672D32	4701D33	4583D31	4670D32	4699D33			
16	4586D31	4674D32	4703D33	4584D31	4672D32	4701D33			
10	4586D31	4675D32	4705D33	4150D24	4236D26	4265D26			
0	4581D30	4672D32	4703D33	4513D30	4604D31	4635D32			
-10	4565D30	4660D32	4692D32	4498D29	4592D31	4623D31			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +90 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4380 Wing A/I ON -4380			Engine A/I ON -30 Wing A/I ON -30			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4192F 7	4386^15	4431^19	3943F11	4169F18	4240^21			
26	4254F 7	4451^16	4511^19	4006F11	4234F19	4306^21			
24	4317F 7	4518^16	4590^19	4070F12	4302F20	4375^22			
22	4368F 8	4572^17	4645^20	4125F12	4360F20	4434^23			
20	4400^ 9	4605^18	4661^21	4165F13	4406F21	4477^24			
18	4414^ 9	4622^18	4666^21	4183F14	4423^22	4497^24			
16	4425^ 9	4634^19	4669^22	4197F14	4435^22	4511^25			
14	4435^10	4636^19	4671^22	4207F14	4446^22	4524^25			
12	4446^10	4637^20	4673^23	4220F15	4458^23	4537^25			
10	4457^11	4639^20	4675^23	4231F15	4470^23	4551^26			
0	4512^13	4643^23	4680^26	4290F17	4535^25	4619^27			
-10	4524^15	4638^25	4676^29	4350F19	4598^27	4650^30			
-20	4524^18	4642^28	4682^31	4415F21	4617^29	4663^32			
-30	4514^21	4637^31	4671^32	4480F23	4617^31	4651^32			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -4120 Wing A/I ON -4120			Engine A/I ON -2540 Wing A/I ON -2540			Engine A/I ON Wing A/I ON		

Elevation 6296 Length 11483 Shift **0** Clearway 0 Stopway 1148 Slope -0.28

Rwy Rev. Program Rules FAA **02 Jul 20**

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REYNOSA **-REX** **13** ***DT H137***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1139'		**DT H137**	**1139'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	3773F15	4014F20	4091^21	3716F 0	3997F10	4088^14	4702
46	87.7	3837F16	4085F21	4169F23	3777F 1	4064F11	4160F14	4820
44	87.7	3879F17	4131F22	4215F23	3817F 1	4108F11	4205F15	4887
42	87.4	3898F17	4151F22	4236F23	3837F 2	4129F12	4227F15	4945
40	87.2	3915F17	4169F22	4255F24	3855F 2	4148F12	4246F15	4959
38	87.0	3925F17	4179F22	4265F24	3865F 2	4160F12	4258F16	4961
36	86.7	3935F18	4190F22	4276F24	3876F 2	4171F13	4270F16	4962
34	86.4	3946F18	4200F23	4283^24	3886F 3	4181F13	4279^16	4964
32	86.1	3956F18	4211F23	4292^24	3898F 3	4193F13	4290^17	4966
30	85.8	3967F18	4221F23	4301^25	3910F 3	4205F14	4300^17	4968
20	84.4	4021F19	4277F24	4348^25	3968F 5	4268F15	4348D19	4976
10	82.9	4072F20	4327^25	4392^26	4026F 7	4325^17	4392D21	4972
0	81.4	4126F21	4377^26	4441^27	4088F 9	4377D19	4441D23	4984
-10	79.9	4177F22	4422^27	4487^28	4147F10	4422D21	4487D25	4987
-20	78.4	4230F23	4468^28	4532^29	4209F12	4468D23	4532D27	4985
-30	76.8	4284F24	4513^28	4576^30	4271F14	4513D25	4576D29	4982

High QNH **+50** per .10" — Engine A/I ON **-480**
Low QNH **-140** per .10" — Wing A/I ON **-480**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	3862F17	4091^21	4150^23	3773F 1	4061F12	4140^15	4702
46	90.9	3930F18	4172F23	4231^24	3836F 2	4130F12	4216^16	4820
44	90.8	3983F19	4228F23	4288^24	3882F 2	4181F13	4269^16	4887
42	90.6	4022F19	4261^24	4322^25	3914F 3	4214F13	4302^17	4945
40	90.4	4040F20	4278^24	4340^25	3933F 3	4234F14	4321^17	4959
38	90.1	4052F20	4289^24	4351^26	3945F 4	4248F14	4334^18	4961
36	89.8	4059F20	4298^25	4359^26	3957F 4	4260F14	4344^18	4962
34	89.5	4069F20	4306^25	4368^26	3968F 4	4272F15	4355^18	4964
32	89.2	4079F20	4315^25	4377^26	3981F 5	4282^15	4366^19	4966
30	89.0	4089F21	4325^25	4386^26	3992F 5	4293^15	4377^19	4968
20	87.5	4139F21	4371^26	4431^27	4053F 6	4349^17	4431D21	4976
10	86.0	4189F22	4411^27	4472^28	4110F 8	4402^19	4472D23	4972
0	84.4	4244F23	4461^27	4521^29	4173F10	4461D21	4521D25	4984
-10	82.9	4298F24	4506^28	4565^29	4236F12	4506D23	4565D27	4987
-20	81.3	4354F25	4549^29	4607^30	4301F14	4549D25	4607D29	4985
-30	79.7	4402^26	4591^30	4648^31	4369F16	4591D28	4648D31	4982

High QNH **+50** per .10" — Engine A/I ON **-530**
Low QNH **-150** per .10" — Wing A/I ON **-530**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	3862F17-17-29	4091^21-21-32	4150^23-23-33	4208^24-24-34
46	90.9	3930F18-18-30	4172F23-23-34	4231^24-24-34	4290^25-25-35
44	90.8	3983F19-19-31	4228F23-23-34	4288^24-24-35	4349^26-26-36
42	90.6	4022F19-19-31	4261^24-24-35	4322^25-25-36	4382^26-26-37
40	90.4	4040F20-20-32	4278^24-24-35	4340^25-25-36	4400^26-26-37
38	90.1	4052F20-20-32	4289^24-24-35	4351^26-26-36	4410^27-27-37
36	89.8	4059F20-20-32	4298^25-25-36	4359^26-26-36	4420^27-27-37
34	89.5	4069F20-20-32	4306^25-25-36	4368^26-26-37	4428^27-27-37
32	89.2	4079F20-20-32	4315^25-25-36	4377^26-26-37	4437^27-27-38
30	89.0	4089F21-21-32	4325^25-25-36	4386^26-26-37	4446^27-27-38
20	87.5	4139F21-21-33	4371^26-26-37	4431^27-27-38	4491^28-28-38
10	86.0	4189F22-22-34	4411^27-27-37	4472^28-28-38	4531^29-29-39
0	84.4	4244F23-23-35	4461^27-27-38	4521^29-29-39	4579^30-30-40
-10	82.9	4298F24-24-36	4506^28-28-39	4565^29-29-39	4621^30-30-40
-20	81.3	4354F25-25-36	4549^29-29-39	4607^30-30-40	4662^31-31-41
-30	79.7	4402^26-26-37	4591^30-30-40	4648^31-31-41	4700^32-32-41

High QNH **+50** per .10" — Engine A/I ON **-530**
Low QNH **-150** per .10" — Wing A/I ON **-530**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 139 Length 6214 Shift **0** Clearway 0 Stopway 0 Slope +0.00
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3862F17	4091^21	4150^23	3854F17	4084^21	4143^22			
46	3930F18	4172F23	4231^24	3921F18	4162F22	4224^24			
44	3983F19	4228F23	4288^24	3974F18	4219F23	4280^24			
42	4022F19	4261^24	4322^25	4013F19	4253^24	4314^25			
40	4040F20	4278^24	4340^25	4031F19	4272^24	4333^25			
38	4052F20	4289^24	4351^26	4043F20	4282^24	4344^25			
36	4059F20	4298^25	4359^26	4051F20	4291^24	4352^26			
34	4069F20	4306^25	4368^26	4061F20	4299^25	4361^26			
32	4079F20	4315^25	4377^26	4070F20	4308^25	4370^26			
30	4089F21	4325^25	4386^26	4080F20	4318^25	4379^26			
20	4139F21	4371^26	4431^27	4131F21	4364^26	4425^27			
10	4189F22	4411^27	4472^28	4149F22	4363^26	4422^27			
0	4244F23	4461^27	4521^29	4206F23	4412^27	4471^28			
-10	4298F24	4506^28	4565^29	4257F24	4452^28	4510^29			
	High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-530** Wing A/I ON **-530**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3773F 1	4061F12	4140^15	3767F 1	4054F12	4134^15			
46	3836F 2	4130F12	4216^16	3830F 2	4123F12	4209^15			
44	3882F 2	4181F13	4269^16	3878F 2	4174F13	4263^16			
42	3914F 3	4214F13	4302^17	3908F 3	4207F13	4295^17			
40	3933F 3	4234F14	4321^17	3927F 3	4227F14	4315^17			
38	3945F 4	4248F14	4334^18	3938F 3	4241F14	4327^17			
36	3957F 4	4260F14	4344^18	3951F 4	4253F14	4337^18			
34	3968F 4	4272F15	4355^18	3962F 4	4266F15	4348^18			
32	3981F 5	4282^15	4366^19	3975F 4	4278F15	4360^18			
30	3992F 5	4293^15	4377^19	3986F 5	4287^15	4370^19			
20	4053F 6	4349^17	4431D21	4047F 6	4343^17	4425D21			
10	4110F 8	4402^19	4472D23	4074F 8	4358^19	4422D23			
0	4173F10	4461D21	4521D25	4138F10	4412D21	4471D25			
-10	4236F12	4506D23	4565D27	4199F12	4452D23	4510D27			
	High QNH **+50** per .10" Low QNH **-140** per .10"			High QNH **+60** per .10" Low QNH **-140** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-530** Wing A/I ON **-530**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3656F94	3937F96		3419F98	3522F 1			
26		3670F94	3967F96		3430F98	3533F 1			
24		3702F94	4000F96		3440F98	3546F 1			
22		3733F94	4034F96		3452F99	3557F 2			
20		3764F95	4070F97		3464F99	3569F 2			
18		3797F95	4093^97		3474F99	3581F 2			
16		3830F95	4103^97		3483F 0	3592F 3			
14		3866F95	4103^97		3495F 0	3603F 3			
12		3899F96	4103^97		3507F 0	3615F 4			
10		3932F96			3520F 1	3628F 4			
0		4096F97			3584F 2	3695F 6			
-10		4137F99	4257^ 2		3646F 4	3761F 8			
-20		4204^ 1	4258^ 5	2649F 0	3713F 6	3832F10			
-30	2944F94	4201^ 3	4256^ 7	3058F99	3782F 8	3905F12			
	High QNH **+10** per .10" Low QNH **-250** per .10"			High QNH **+60** per .10" Low QNH **-60** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-640** Wing A/I ON **-640**			Engine A/I ON **-370** Wing A/I ON **-370**			Engine A/I ON Wing A/I ON		

Elevation	139	Length	6214	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1139'		**LT H280**	**1139'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	3773F15	4014F20	4086^21	3716F 0	3997F10	4083^14	4702
46	87.7	3837F16	4085F21	4169F23	3777F 1	4064F11	4160F14	4820
44	87.7	3879F17	4131F22	4215F23	3817F 1	4108F11	4205F15	4887
42	87.4	3898F17	4151F22	4236F23	3837F 2	4129F12	4227F15	4945
40	87.2	3915F17	4169F22	4255F24	3855F 2	4148F12	4246F15	4959
38	87.0	3925F17	4179F22	4265F24	3865F 2	4160F12	4258F16	4961
36	86.7	3935F18	4190F22	4271^24	3876F 2	4171F13	4266^16	4962
34	86.4	3946F18	4200F23	4279^24	3886F 3	4181F13	4276^16	4964
32	86.1	3956F18	4211F23	4287^24	3898F 3	4193F13	4285^17	4966
30	85.8	3967F18	4221F23	4295^24	3910F 3	4205F14	4295^17	4968
20	84.4	4021F19	4277F24	4337^25	3968F 5	4268F15	4337D19	4976
10	82.9	4072F20	4323^25	4373^26	4026F 7	4321^17	4373D21	4972
0	81.4	4126F21	4366^26	4419^27	4088F 9	4366D19	4419D23	4984
-10	79.9	4177F22	4407^26	4465^28	4147F10	4407D21	4465D25	4987
-20	78.4	4230F23	4449^27	4511^28	4209F12	4449D23	4511D27	4985
-30	76.8	4284F24	4493^28	4555^29	4271F14	4493D25	4555D29	4982

High QNH **+50** per .10" — Engine A/I ON **-500**
Low QNH **-140** per .10" — Wing A/I ON **-500**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	3862F17	4086^21	4132^22	3773F 1	4061F12	4127^15	4702
46	90.9	3930F18	4169^23	4216^23	3836F 2	4130F12	4206^16	4820
44	90.8	3983F19	4224^23	4273^24	3882F 2	4181F13	4260^16	4887
42	90.6	4022F19	4256^24	4305^25	3914F 3	4214F13	4290^17	4945
40	90.4	4040F20	4274^24	4322^25	3933F 3	4234F14	4309^17	4959
38	90.1	4052F20	4283^24	4331^25	3945F 4	4248F14	4320^18	4961
36	89.8	4059F20	4290^24	4339^25	3957F 4	4260F14	4329^18	4962
34	89.5	4069F20	4298^25	4346^25	3968F 4	4269^15	4339^18	4964
32	89.2	4079F20	4306^25	4354^26	3981F 5	4279^15	4349^19	4966
30	89.0	4089F21	4314^25	4362^26	3992F 5	4289^16	4359^19	4968
20	87.5	4139F21	4354^26	4403^26	4053F 6	4338^17	4403D21	4976
10	86.0	4189F22	4388^26	4445^27	4110F 8	4385^19	4445D23	4972
0	84.4	4244F23	4436^27	4495^28	4173F10	4436D21	4495D25	4984
-10	82.9	4298F24	4480^28	4541^29	4236F12	4480D23	4541D27	4987
-20	81.3	4354F25	4522^29	4581^30	4301F14	4522D26	4581D29	4985
-30	79.7	4389^26	4558^29	4617^30	4366^16	4558D28	4617D31	4982

High QNH **+50** per .10" — Engine A/I ON **-530**
Low QNH **-150** per .10" — Wing A/I ON **-530**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	3862F17-17-29	4086^21-21-32	4132^22-22-33	4178^23-23-34
46	90.9	3930F18-18-30	4169^23-23-34	4216^23-23-34	4263^24-24-35
44	90.8	3983F19-19-31	4224^23-23-34	4273^24-24-35	4320^25-25-36
42	90.6	4022F19-19-31	4256^24-24-35	4305^25-25-36	4351^26-26-36
40	90.4	4040F20-20-32	4274^24-24-35	4322^25-25-36	4369^26-26-37
38	90.1	4052F20-20-32	4283^24-24-35	4331^25-25-36	4378^26-26-37
36	89.8	4059F20-20-32	4290^24-24-35	4339^25-25-36	4387^26-26-37
34	89.5	4069F20-20-32	4298^25-25-36	4346^25-25-36	4396^26-26-37
32	89.2	4079F20-20-32	4306^25-25-36	4354^26-26-36	4405^26-26-37
30	89.0	4089F21-21-32	4314^25-25-36	4362^26-26-36	4415^27-27-37
20	87.5	4139F21-21-33	4354^26-26-36	4403^26-26-37	4462^27-27-38
10	86.0	4189F22-22-34	4388^26-26-37	4445^27-27-38	4505^28-28-39
0	84.4	4244F23-23-35	4436^27-27-38	4495^28-28-38	4556^29-29-39
-10	82.9	4298F24-24-36	4480^28-28-38	4541^29-29-39	4603^30-30-40
-20	81.3	4354F25-25-36	4522^29-29-39	4581^30-30-40	4643^31-31-41
-30	79.7	4389^26-26-37	4558^29-29-39	4617^30-30-40	4679^31-31-41

High QNH **+50** per .10" — Engine A/I ON **-530**
Low QNH **-150** per .10" — Wing A/I ON **-530**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	139	Length	6214	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.00
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3862F17	4086^21	4132^22	3854F17	4079^21	4126^22			
46	3930F18	4169^23	4216^23	3921F18	4162F22	4210^23			
44	3983F19	4224^23	4273^24	3974F18	4219F23	4266^24			
42	4022F19	4256^24	4305^25	4013F19	4249^24	4298^25			
40	4040F20	4274^24	4322^25	4031F19	4267^24	4316^25			
38	4052F20	4283^24	4331^25	4043F20	4276^24	4325^25			
36	4059F20	4290^24	4339^25	4051F20	4283^24	4332^25			
34	4069F20	4298^25	4346^25	4061F20	4292^24	4340^25			
32	4079F20	4306^25	4354^26	4070F20	4299^25	4348^25			
30	4089F21	4314^25	4362^26	4080F20	4308^25	4356^26			
20	4139F21	4354^26	4403^26	4131F21	4348^25	4397^26			
10	4189F22	4388^26	4445^27	4149F22	4339^26	4395^27			
0	4244F23	4436^27	4495^28	4206F23	4387^26	4445^27			
-10	4298F24	4480^28	4541^29	4257F24	4427^27	4486^28			
	High QNH +50 per .10"			High QNH +50 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -520			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -520			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3773F 1	4061F12	4127^15	3767F 1	4054F12	4121^15			
46	3836F 2	4130F12	4206^16	3830F 2	4123F12	4199^15			
44	3882F 2	4181F13	4260^16	3878F 2	4174F13	4253^16			
42	3914F 3	4214F13	4290^17	3908F 3	4207F13	4285^17			
40	3933F 3	4234F14	4309^17	3927F 3	4227F14	4304^17			
38	3945F 4	4248F14	4320^18	3938F 3	4241F14	4314^17			
36	3957F 4	4260F14	4329^18	3951F 4	4253F14	4324^18			
34	3968F 4	4269^15	4339^18	3962F 4	4266F15	4333^18			
32	3981F 5	4279^15	4349^19	3975F 4	4274^15	4343^19			
30	3992F 5	4289^16	4359^19	3986F 5	4283^15	4352^19			
20	4053F 6	4338^17	4403D21	4047F 6	4333^17	4397D21			
10	4110F 8	4385^19	4445D23	4074F 8	4339D19	4395D23			
0	4173F10	4436D21	4495D25	4138F10	4387D21	4445D25			
-10	4236F12	4480D23	4541D27	4199F12	4427D23	4486D27			
	High QNH +60 per .10"			High QNH +50 per .10"			High QNH per .10"		
	Low QNH -140 per .10"			Low QNH -140 per .10"			Low QNH per .10"		
	Engine A/I ON -520			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -520			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3656F94	3937F96		3419F98	3522F 1			
26		3670F94	3967F96		3430F98	3533F 1			
24		3702F94	4000F96		3440F98	3546F 1			
22		3733F94	4034F96		3452F99	3557F 2			
20		3764F95	4070F97		3464F99	3569F 2			
18		3797F95	4083^97		3474F99	3581F 2			
16		3830F95	4093^97		3483F 0	3592F 3			
14		3866F95	4093^97		3495F 0	3603F 3			
12		3899F96	4093^97		3507F 0	3615F 4			
10		3932F96			3520F 1	3628F 4			
0		4093^97			3584F 2	3695F 6			
-10		4137F99	4230^ 2		3646F 4	3761F 8			
-20		4193^ 1	4258^ 5	2649F 0	3713F 6	3832F10			
-30	2944F94	4201^ 3	4256^ 7	3058F99	3782F 8	3905F12			
	High QNH +10 per .10"			High QNH +60 per .10"			High QNH per .10"		
	Low QNH -250 per .10"			Low QNH -60 per .10"			Low QNH per .10"		
	Engine A/I ON -580			Engine A/I ON -370			Engine A/I ON		
	Wing A/I ON -580			Wing A/I ON -370			Wing A/I ON		

Elevation 139 Length 6214 Shift **0** Clearway 0 Stopway 0 Slope +0.00

Rwy Rev. Program Rules FAA **26 Oct 17**

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SALTILLO -SLW 17 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.5 SLW	**D5.7 ISLW**	**RT H010**	**5778'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	88.5	4023F22	4195^25	4224^25	3983F14	4195D23	4224D26	4295
38	88.8	4084F23	4279^26	4308^27	4040F15	4279D23	4308D26	4380
36	89.1	4145F23	4361^27	4390^28	4098F15	4360^24	4390D27	4464
34	89.5	4204F24	4430F28	4467^29	4153F16	4422F24	4467D27	4542
32	89.8	4261F25	4489F29	4545^30	4207F16	4478F25	4545D27	4619
30	90.1	4316F26	4547F30	4628F31	4259F17	4534F25	4627^28	4700
28	90.0	4370F26	4603F31	4684F32	4310F17	4587F26	4684D28	4789
26	89.8	4420F27	4654F31	4737F33	4358F18	4637F26	4736F29	4879
24	89.7	4452F28	4688F32	4771F33	4389F18	4670F27	4767F29	4903
22	89.6	4465F28	4702F32	4786F33	4403F19	4686F27	4784F30	4907
20	89.4	4478F28	4717F32	4801F34	4417F19	4703F27	4801F30	4909
18	89.1	4490F28	4730F32	4814F34	4430F19	4717F28	4814D30	4911
10	87.9	4535F29	4780F33	4833^34	4483F21	4774F29	4833D32	4915
0	86.4	4589F30	4793^34	4826^34	4545F23	4793D31	4826D34	4908
-10	84.8	4649F31	4788^33	4823^34	4615F24	4788D34	4823D34	4911
-20	83.2	4675^32	4782^33	4817^34	4672^26	4782D33	4817D34	4910

High QNH **+60** per .10" Engine A/I ON **-2500**
Low QNH **-170** per .10" Wing A/I ON **-2500**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
40	91.9	4118F23	4207^25	4235^26	4059F16	4207D25	4235D26	4295
38	92.2	4180F24	4291^26	4319^27	4116F16	4291D25	4319D27	4380
36	92.6	4242F25	4373^28	4402^28	4174F17	4373D26	4402D28	4464
34	92.9	4302F26	4451^29	4480^29	4230F17	4451D26	4480D29	4542
32	93.3	4357F27	4527^30	4557^30	4282F18	4527^27	4557D30	4619
30	93.6	4415F28	4611^31	4641^32	4335F18	4609^27	4641D30	4700
28	93.6	4472F28	4697^32	4727^33	4388F19	4679F27	4727D30	4789
26	93.6	4529F29	4770F33	4808^34	4442F20	4736F28	4807^31	4879
24	93.4	4573F30	4811^34	4842^34	4482F20	4778F29	4842^32	4903
22	93.1	4608F30	4815^34	4846^34	4514F21	4812^29	4846D33	4907
20	92.8	4620F31	4817^34	4847^34	4527F21	4814^30	4847D33	4909
18	92.4	4632F31	4818^34	4848^34	4541F22	4816^30	4848D34	4911
10	91.2	4681F32	4820^34	4852^35	4597F23	4820D32	4852D35	4915
0	89.6	4712^32	4811^34	4844^34	4665F25	4811D34	4844D35	4908
-10	87.9	4704^32	4806^34	4840^34	4701^27	4806D34	4840D34	4911
-20	86.2	4693^32	4799^34	4834^34	4693D30	4799D34	4834D34	4910

High QNH **+70** per .10" Engine A/I ON **-2740**
Low QNH **-170** per .10" Wing A/I ON **-2740**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
40	91.9	4118F23-23-33	4207^25-25-34	4259F32-32-40	4322F33-33-41
38	92.2	4180F24-24-34	4291^26-26-35	4325F33-33-41	4389F34-34-42
36	92.6	4242F25-25-35	4373^28-28-37	4402^28-28-37	4456F35-35-43
34	92.9	4302F26-26-36	4451^29-29-38	4480^29-29-38	4521F36-36-44
32	93.3	4357F27-27-36	4527^30-30-39	4557^30-30-39	4586^31-31-40
30	93.6	4415F28-28-37	4611^31-31-40	4641^32-32-41	4670^32-32-41
28	93.6	4472F28-28-38	4697^32-32-41	4727^33-33-42	4757^33-33-42
26	93.6	4529F29-29-39	4770F33-33-43	4808^34-34-43	4838^34-34-44
24	93.4	4573F30-30-40	4811^34-34-43	4842^34-34-44	4872^35-35-44
22	93.1	4608F30-30-40	4815^34-34-43	4846^34-34-44	4877^35-35-44
20	92.8	4620F31-31-40	4817^34-34-43	4847^34-34-44	4878^35-35-44
18	92.4	4632F31-31-41	4818^34-34-43	4848^34-34-44	4880^35-35-44
10	91.2	4681F32-32-41	4820^34-34-43	4852^35-35-44	4913F41-41-50
0	89.6	4712^32-32-42	4821F40-40-49	4892F41-41-50	4947C42-42-51
-10	87.9	4704^32-32-42	4878F41-41-50	4951F42-42-51	4954C42-42-51
-20	86.2	4700F38-38-47	4934F42-42-51	4955C42-42-51	4955C42-42-51

High QNH **+40** per .10" Engine A/I ON **-1760**
Low QNH **-170** per .10" Wing A/I ON **-1760**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4778 Length 9711 Shift **0** Clearway 0 Stopway 0 Slope +1.36
Rwy Rev. Program Rules FAA **27 Sep 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4118F23	4207^25	4235^26	4106F23	4202^25	4230^26			
38	4180F24	4291^26	4319^27	4168F24	4286^26	4315^27			
36	4242F25	4373^28	4402^28	4231F25	4368^28	4397^28			
34	4302F26	4451^29	4480^29	4290F26	4446^29	4476^29			
32	4357F27	4527^30	4557^30	4347F27	4523^30	4553^30			
30	4415F28	4611^31	4641^32	4404F27	4606^31	4637^32			
28	4472F28	4697^32	4727^33	4461F28	4693^32	4723^33			
26	4529F29	4770F33	4808^34	4518F29	4758F33	4803^34			
24	4573F30	4811^34	4842^34	4562F30	4804F34	4838^34			
22	4608F30	4815^34	4846^34	4597F30	4811^34	4842^34			
20	4620F31	4817^34	4847^34	4609F30	4813^34	4843^34			
18	4632F31	4818^34	4848^34	4621F31	4814^34	4845^34			
10	4681F32	4820^34	4852^35	4453^28	4548^30	4580^31			
0	4712^32	4811^34	4844^34	4639^31	4739^33	4771^33			
	High QNH **+70** per .10" Low QNH **-170** per .10"			High QNH **+60** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2740** Wing A/I ON **-2740**			Engine A/I ON **-30** Wing A/I ON **-30**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
40	4059F16	4207D25	4235D26	4049F16	4202D25	4230D26			
38	4116F16	4291D25	4319D27	4107F16	4286D25	4315D27			
36	4174F17	4373D26	4402D28	4165F17	4368D26	4397D28			
34	4230F17	4451D26	4480D29	4220F17	4446D26	4476D29			
32	4282F18	4527^27	4557D30	4273F18	4522^26	4553D29			
30	4335F18	4609^27	4641D30	4326F18	4605^27	4637D30			
28	4388F19	4679F27	4727D30	4380F19	4669F27	4723D30			
26	4442F20	4736F28	4807^31	4433F19	4725F28	4803^31			
24	4482F20	4778F29	4842^32	4474F20	4768F28	4838^31			
22	4514F21	4812^29	4846D33	4505F21	4804F29	4842D32			
20	4527F21	4814^30	4847D33	4519F21	4810^30	4843D33			
18	4541F22	4816^30	4848D34	4533F21	4812^30	4845D33			
10	4597F23	4820D32	4852D35	4450^24	4548D30	4580D31			
0	4665F25	4811D34	4844D35	4623F25	4739D33	4771D34			
	High QNH **+70** per .10" Low QNH **-170** per .10"			High QNH **+60** per .10" Low QNH **-200** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-2740** Wing A/I ON **-2740**			Engine A/I ON **-30** Wing A/I ON **-30**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3866F 1	4094F 9	4170F12	3612F 4	3802F12	3875F15			
26	3917F 1	4148F10	4226F13	3666F 5	3859F13	3932F16			
24	3953F 1	4186F10	4266F13	3705F 5	3901F14	3975F16			
22	3974F 2	4212F11	4292F14	3733F 6	3934F14	4010F17			
20	3985F 2	4224F11	4304F14	3742F 6	3945F15	4022F17			
18	3997F 3	4235F12	4317F15	3752F 6	3957F15	4034F18			
16	4008F 3	4247F12	4330F15	3762F 7	3968F15	4044F18			
14	4019F 3	4259F12	4342F15	3771F 7	3980F16	4056F18			
12	4030F 4	4271F13	4356F16	3780F 7	3990F16	4068F19			
10	4041F 4	4284F13	4369F16	3790F 8	4001F16	4082F19			
0	4092F 6	4340F15	4428F18	3832F 9	4056F18	4140F21			
-10	4151F 8	4406F17	4499F20	3881F11	4117F20	4206F23			
-20	4211F10	4475F19	4569F22	3933F13	4181F22	4277F24			
-30	4269F12	4543F22	4643F25	3985F15	4248F24	4368F26			
	High QNH **+40** per .10" Low QNH **-130** per .10"			High QNH **+40** per .10" Low QNH **-130** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1190** Wing A/I ON **-1190**			Engine A/I ON **-1030** Wing A/I ON **-1030**			Engine A/I ON Wing A/I ON		

Elevation 4778 Length 9711 Shift **0** Clearway 0 Stopway 0 Slope +1.36

Rwy Rev. Program Rules FAA **27 Sep 17**

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SALTILLO -SLW 35 *DT H355*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		5778'		**DT H355**	**5778'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
40	88.5	4139^24	4224^25	4252^26
38	88.8	4222^25	4308^27	4337^27
36	89.1	4304^26	4391^28	4420^28
34	89.5	4381^27	4469^29	4498^30
32	89.8	4458^29	4547^30	4576^31
30	90.1	4541^30	4631^31	4660^32
28	90.0	4626^31	4717^33	4747^33
26	89.8	4706^32	4797^34	4828^34
24	89.7	4737^33	4829^34	4860^35
22	89.6	4738^33	4831^34	4862^35
20	89.4	4739^33	4832^34	4863^35
18	89.1	4740^33	4833^34	4865^35
10	87.9	4739^33	4835^34	4867^35
0	86.4	4727^32	4826^34	4860^35
-10	84.8	4720^32	4821^34	4856^35
-20	83.2	4709^32	4814^34	4850^34

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	88.5	4134^12	4224D23	4252D26	4295
38	88.8	4216^13	4308D23	4337D26	4380
36	89.1	4297^13	4391D23	4420D27	4464
34	89.5	4373^14	4469D24	4498D27	4542
32	89.8	4448^14	4546^24	4576D28	4619
30	90.1	4530^14	4629^25	4660D28	4700
28	90.0	4603F15	4715^25	4747D28	4789
26	89.8	4654F15	4794^25	4827^29	4879
24	89.7	4687F15	4826^26	4860^29	4903
22	89.6	4703F16	4828^26	4862D30	4907
20	89.4	4719F16	4829^27	4863D30	4909
18	89.1	4728^17	4831^27	4865D30	4911
10	87.9	4730^18	4835D29	4867D32	4915
0	86.4	4721^21	4826D31	4860D35	4908
-10	84.8	4716^23	4821D34	4856D35	4911
-20	83.2	4709^26	4814D34	4850D35	4910

High QNH **+70** per .10" Engine A/I ON **-2760**
Low QNH **-170** per .10" Wing A/I ON **-2760**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
40	91.9	4148^24	4233^26	4260^26
38	92.2	4232^25	4317^27	4346^27
36	92.6	4315^27	4401^28	4429^29
34	92.9	4392^28	4478^29	4507^30
32	93.3	4469^29	4556^30	4585^31
30	93.6	4551^30	4640^32	4669^32
28	93.6	4638^31	4727^33	4757^33
26	93.6	4718^32	4808^34	4839^34
24	93.4	4751^33	4842^34	4872^35
22	93.1	4754^33	4845^34	4876^35
20	92.8	4755^33	4846^34	4877^35
18	92.4	4755^33	4847^34	4878^35
10	91.2	4755^33	4849^34	4881^35
0	89.6	4743^33	4840^34	4873^35
-10	87.9	4735^33	4835^34	4868^35
-20	86.2	4724^32	4827^34	4862^35

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
40	91.9	4143^14	4233D24	4260D26	4295
38	92.2	4226^14	4317D25	4346D28	4380
36	92.6	4307^15	4401D25	4429D28	4464
34	92.9	4383^15	4478D25	4507D29	4542
32	93.3	4459^15	4556D26	4585D29	4619
30	93.6	4541^16	4640^26	4669D30	4700
28	93.6	4626^16	4725^27	4757D30	4789
26	93.6	4705^16	4806^27	4839D30	4879
24	93.4	4738^17	4839^28	4872D31	4903
22	93.1	4741^18	4844^28	4876D32	4907
20	92.8	4742^18	4845^29	4877D32	4909
18	92.4	4744^19	4847^29	4878D33	4911
10	91.2	4745^20	4849D31	4881D35	4915
0	89.6	4737^23	4840D34	4873D35	4908
-10	87.9	4733^25	4835D34	4868D35	4911
-20	86.2	4724D28	4827D34	4862D35	4910

High QNH **+70** per .10" Engine A/I ON **-2780**
Low QNH **-170** per .10" Wing A/I ON **-2780**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
40	91.9	4276^32-41	4346C33-33-42	4346C33-33-42	4346C33-33-42
38	92.2	4362^33-33-42	4431C35-35-43	4431C35-35-43	4431C35-35-43
36	92.6	4445^35-35-43	4517C36-36-44	4517C36-36-44	4517C36-36-44
34	92.9	4513^36-36-44	4599C37-37-46	4599C37-37-46	4599C37-37-46
32	93.3	4570F36-36-45	4677C38-38-47	4677C38-38-47	4677C38-38-47
30	93.6	4627F37-37-46	4754C39-39-48	4754C39-39-48	4754C39-39-48
28	93.6	4683F37-38-47	4830C40-40-49	4830C40-40-49	4830C40-40-49
26	93.6	4740F38-39-48	4906C41-41-50	4906C41-41-50	4906C41-41-50
24	93.4	4785F39-39-49	4944C42-42-51	4944C42-42-51	4944C42-42-51
22	93.1	4827F40-40-49	4947C42-42-51	4947C42-42-51	4947C42-42-51
20	92.8	4843F40-40-49	4949C42-42-51	4949C42-42-51	4949C42-42-51
18	92.4	4855^40-40-50	4951C42-42-51	4951C42-42-51	4951C42-42-51
10	91.2	4892^41-41-50	4956C42-42-51	4956C42-42-51	4956C42-42-51
0	89.6	4891^41-41-50	4947C42-42-51	4947C42-42-51	4947C42-42-51
-10	87.9	4883^41-41-50	4954C42-42-51	4954C42-42-51	4954C42-42-51
-20	86.2	4872^41-41-50	4955C42-42-51	4955C42-42-51	4955C42-42-51

High QNH **+0** per .10" Engine A/I ON **-2660**
Low QNH **-170** per .10" Wing A/I ON **-2660**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 4778 Length 9711 Shift **0** Clearway 0 Stopway 0 Slope -1.36
Rwy Rev. Program Rules FAA **27 Sep 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	4148^24	4233^26	4260^26
38	4232^25	4317^27	4346^27
36	4315^27	4401^28	4429^29
34	4392^28	4478^29	4507^30
32	4469^29	4556^30	4585^31
30	4551^30	4640^32	4669^32
28	4638^31	4727^33	4757^33
26	4718^32	4808^34	4839^34
24	4751^33	4842^34	4872^35
22	4754^33	4845^34	4876^35
20	4755^33	4846^34	4877^35
18	4755^33	4847^34	4878^35
10	4755^33	4849^34	4881^35
0	4743^33	4840^34	4873^35

High QNH **+70** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-2780**
Wing A/I ON **-2780**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	4143^24	4228^26	4256^26
38	4227^25	4312^27	4341^27
36	4310^26	4396^28	4424^29
34	4388^28	4474^29	4502^30
32	4465^29	4552^30	4581^31
30	4547^30	4636^31	4665^32
28	4633^31	4723^33	4752^33
26	4714^32	4804^34	4834^34
24	4747^33	4838^34	4869^35
22	4751^33	4842^34	4873^35
20	4751^33	4843^34	4874^35
18	4752^33	4844^34	4875^35
10	4481^29	4574^31	4605^31
0	4669^32	4767^33	4799^34

High QNH **+60** per .10"
Low QNH **-200** per .10"

Engine A/I ON **-30**
Wing A/I ON **-30**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
40	4143^14	4233D24	4260D26
38	4226^14	4317D25	4346D28
36	4307^15	4401D25	4429D28
34	4383^15	4478D25	4507D29
32	4459^15	4556D26	4585D29
30	4541^16	4640^26	4669D30
28	4626^16	4725^27	4757D30
26	4705^16	4806^27	4839D30
24	4738^17	4839^28	4872D31
22	4741^18	4844^28	4876D32
20	4742^18	4845^29	4877D32
18	4744^19	4847^29	4878D33
10	4745^20	4849D31	4881D35
0	4737^23	4840D34	4873D35

High QNH **+70** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-2780**
Wing A/I ON **-2780**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
40	4138^14	4228D24	4256D26
38	4221^14	4312D24	4341D27
36	4302^14	4396D25	4424D28
34	4379^15	4474D25	4502D29
32	4455^15	4552D26	4581D29
30	4537^16	4636^26	4665D29
28	4622^16	4721^26	4752D30
26	4701^16	4802^27	4834D30
24	4734^17	4836^27	4869D31
22	4738^18	4840^28	4873D32
20	4739^18	4842^29	4874D32
18	4740^19	4843^29	4875D33
10	4478^22	4574D31	4605D31
0	4665^23	4767D34	4799D34

High QNH **+60** per .10"
Low QNH **-200** per .10"

Engine A/I ON **-30**
Wing A/I ON **-30**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	2856F97	4334F 1	4416F 4
26	2736F98	4390F 2	4473F 5
24	2764F99	4429F 2	4513F 5
22	2920F98	4452F 3	4537F 6
20	3059F98	4465F 3	4550F 6
18	3183F98	4476F 3	4564F 6
16	3317F98	4491F 4	4578F 7
14	3453F98	4504F 4	4592F 7
12	3587F98	4517F 4	4605F 8
10	3723F97	4530F 5	4619F 8
0	4329F97	4592F 7	4682F10
-10	4397F99	4664F 9	4756F12
-20	4462F 1	4736F11	4814^15
-30	4528F 3	4768^14	4810^17

High QNH **+50** per .10"
Low QNH **-130** per .10"

Engine A/I ON **-1380**
Wing A/I ON **-1380**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3756F98	3968F 7	4040F10
26	3812F98	4028F 8	4101F10
24	3851F99	4070F 8	4144F11
22	3876F99	4099F 9	4175F12
20	3885F 0	4109F 9	4187F12
18	3896F 0	4120F 9	4199F12
16	3908F 0	4134F10	4212F13
14	3918F 1	4144F10	4225F13
12	3929F 1	4156F10	4237F13
10	3941F 1	4168F11	4249F14
0	3990F 3	4224F13	4306F16
-10	4045F 5	4288F15	4374F18
-20	4102F 7	4352F17	4441F20
-30	4160F 9	4419F19	4509F22

High QNH **+40** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-1310**
Wing A/I ON **-1310**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 4778 Length 9711 Shift **0** Clearway 0 Stopway 0 Slope -1.36
Rwy Rev. Program Rules FAA **27 Sep 17**

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SAN ANTONIO/INTL -SAT 04 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D3.6 ISAT	**SAT R-130**	**LT H215**	**1809'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	4157^23	4312^26	4365^27	4141^14	4312D24	4365D27	4581
46	87.8	4242^24	4400^27	4455^28	4220^14	4400D24	4455D27	4692
44	88.0	4317^25	4478^28	4534^29	4290^15	4478D25	4534D28	4797
42	88.0	4383^26	4549^29	4606^30	4353^15	4549D25	4606D28	4902
40	87.9	4425^27	4591^30	4648^31	4393^15	4591D25	4648D29	4937
38	87.6	4432^27	4598^30	4657^31	4402^16	4598D26	4657D29	4956
36	87.4	4439^27	4606^30	4665^31	4412^16	4606D26	4665D29	4961
34	87.1	4447^27	4614^30	4672^31	4420^16	4614D27	4672D30	4962
32	86.8	4454^27	4622^30	4680^31	4429^17	4622D27	4680D30	4964
30	86.5	4461^28	4629^31	4687^32	4438^17	4629D27	4687D31	4966
20	85.1	4497^28	4666^31	4725^32	4483^19	4666D29	4725D33	4974
10	83.6	4525^29	4695^32	4754^33	4521^21	4695D31	4754D34	4970
0	82.1	4563^29	4735^32	4793^33	4563D23	4735D33	4793D34	4977
-10	80.6	4596^30	4768^33	4827^34	4596D25	4768D34	4827D35	4981
-20	79.0	4624^30	4797^33	4855^34	4624D28	4797D34	4855D35	4978
-30	77.5	4653^31	4826^34	4884^35	4653D30	4826D35	4884D36	4976

High QNH **+30** per .10" Engine A/I ON **-620**
Low QNH **-150** per .10" Wing A/I ON **-620**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4202^24	4354^27	4406^28	4183^15	4354D25	4406D28	4581
46	91.1	4289^25	4445^28	4498^29	4264^16	4445D26	4498D29	4692
44	91.3	4368^26	4526^29	4582^30	4337^16	4526D26	4582D29	4797
42	91.2	4439^27	4601^30	4658^31	4403^17	4601D27	4658D30	4902
40	91.2	4485^28	4649^31	4705^32	4448^17	4649D27	4705D31	4937
38	90.9	4501^28	4664^31	4721^32	4465^18	4664D28	4721D31	4956
36	90.6	4509^28	4672^31	4729^32	4475^18	4672D28	4729D32	4961
34	90.3	4515^29	4680^31	4736^32	4484^19	4680D29	4736D32	4962
32	90.1	4522^29	4686^32	4743^32	4492^19	4686D29	4743D33	4964
30	89.8	4530^29	4693^32	4750^33	4501^19	4693D30	4750D33	4966
20	88.2	4563^29	4729^32	4786^33	4547^21	4729D32	4786D34	4974
10	86.7	4589^30	4755^33	4811^34	4586^23	4755D34	4811D35	4970
0	85.2	4625^30	4792^33	4848^34	4625D25	4792D34	4848D35	4977
-10	83.6	4657^31	4824^34	4880^35	4657D28	4824D35	4880D36	4981
-20	82.0	4683^31	4850^34	4906^35	4683D30	4850D35	4906D36	4978
-30	80.4	4710^32	4876^35	4933^36	4710D32	4876D35	4933D36	4976

High QNH **+30** per .10" Engine A/I ON **-660**
Low QNH **-160** per .10" Wing A/I ON **-660**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	4202^24-24-34	4354^27-27-36	4406^28-28-37	4458^29-29-38
46	91.1	4289^25-25-35	4445^28-28-38	4498^29-29-39	4552^30-30-39
44	91.3	4368^26-26-37	4526^29-29-39	4582^30-30-40	4638^31-31-41
42	91.2	4439^27-27-38	4601^30-30-40	4658^31-31-41	4714^32-32-42
40	91.2	4485^28-28-38	4649^31-31-41	4705^32-32-42	4763^33-33-42
38	90.9	4501^28-28-39	4664^31-31-41	4721^32-32-42	4778^33-33-43
36	90.6	4509^28-28-39	4672^31-31-41	4729^32-32-42	4786^33-33-43
34	90.3	4515^29-29-39	4680^31-31-41	4736^32-32-42	4793^33-33-43
32	90.1	4522^29-29-39	4686^32-32-41	4743^32-32-42	4800^33-33-43
30	89.8	4530^29-29-39	4693^32-32-41	4750^33-33-42	4807^34-34-43
20	88.2	4563^29-29-39	4729^32-32-42	4786^33-33-43	4842^34-34-43
10	86.7	4589^30-30-40	4755^33-33-42	4811^34-34-43	4868^35-35-44
0	85.2	4625^30-30-40	4792^33-33-43	4848^34-34-44	4905^35-35-44
-10	83.6	4657^31-31-41	4824^34-34-43	4880^35-35-44	4937^36-36-45
-20	82.0	4683^31-31-41	4850^34-34-44	4906^35-35-44	4963^36-36-45
-30	80.4	4710^32-32-42	4876^35-35-44	4933^36-36-45	4976C36-36-45

High QNH **+30** per .10" Engine A/I ON **-660**
Low QNH **-160** per .10" Wing A/I ON **-660**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 809 Length 8505 Shift **0** Clearway 0 Stopway 0 Slope -0.38
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4202^24	4354^27	4406^28
46	4289^25	4445^28	4498^29
44	4368^26	4526^29	4582^30
42	4439^27	4601^30	4658^31
40	4485^28	4649^31	4705^32
38	4501^28	4664^31	4721^32
36	4509^28	4672^31	4729^32
34	4515^29	4680^31	4736^32
32	4522^29	4686^32	4743^32
30	4530^29	4693^32	4750^33
20	4563^29	4729^32	4786^33
10	4589^30	4755^33	4811^34
0	4625^30	4792^33	4848^34
-10	4657^31	4824^34	4880^35

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-660**
Wing A/I ON **-660**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4196^24	4347^27	4399^28
46	4283^25	4438^28	4491^29
44	4360^26	4519^29	4574^30
42	4432^27	4595^30	4650^31
40	4479^28	4642^31	4699^32
38	4495^28	4658^31	4715^32
36	4502^28	4666^31	4723^32
34	4510^28	4673^31	4730^32
32	4517^29	4681^31	4737^32
30	4523^29	4687^32	4744^33
20	4558^29	4723^32	4780^33
10	4529^29	4691^32	4745^33
0	4566^30	4728^32	4783^33
-10	4593^30	4757^33	4811^34

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4183^15	4354D25	4406D28
46	4264^16	4445D26	4498D29
44	4337^16	4526D26	4582D29
42	4403^17	4601D27	4658D30
40	4448^17	4649D27	4705D31
38	4465^18	4664D28	4721D31
36	4475^18	4672D28	4729D32
34	4484^19	4680D29	4736D32
32	4492^19	4686D29	4743D33
30	4501^19	4693D30	4750D33
20	4547^21	4729D32	4786D34
10	4586^23	4755D34	4811D35
0	4625D25	4792D34	4848D35
-10	4657D28	4824D35	4880D36

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-660**
Wing A/I ON **-660**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4177^15	4347D25	4399D28
46	4257^16	4438D26	4491D29
44	4330^16	4519D26	4574D29
42	4396^17	4595D27	4650D30
40	4442^17	4642D27	4699D31
38	4460^18	4658D28	4715D31
36	4469^18	4666D28	4723D32
34	4477^18	4673D29	4730D32
32	4486^19	4681D29	4737D32
30	4495^19	4687D29	4744D33
20	4541^21	4723D31	4780D34
10	4529D23	4691D33	4745D34
0	4566D26	4728D33	4783D34
-10	4593D28	4757D34	4811D35

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3352F98	4306F 6	4385^ 9
26	3480F98	4317F 6	4395^ 9
24	3624F98	4330F 6	4405^10
22	3763F98	4342F 7	4416^10
20	3923F98	4352^ 7	4426^11
18	4049F98	4362^ 8	4436^11
16	4113F98	4371^ 8	4446^11
14	4124F98	4380^ 8	4455^12
12	4135F99	4388^ 9	4464^12
10	4145F99	4396^ 9	4472^13
0	4203F 1	4450^11	4530^15
-10	4265F 3	4502^14	4584^17
-20	4323F 5	4553^16	4637^20
-30	4369^ 7	4606^18	4693^22

High QNH **+40** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-530**
Wing A/I ON **-530**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3618F 1	3995^10	4126F12
26	3630F 1	4008^10	4145F13
24	3642F 2	4021^10	4164F13
22	3653F 2	4036^11	4184F13
20	3669F 2	4051^11	4205F14
18	3669F 2	4066^11	4221F14
16	3693F 3	4080^12	4242F14
14	3707F 3	4097F12	4258F14
12	3720F 3	4115F12	4278F15
10	3734F 4	4133F12	4279^15
0	3814F 5	4236F14	4282^15
-10	3894F 7	4237^14	4281^15
-20	3964^ 9	4229^14	4274^15
-30	4032^11	4219^14	4266^14

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-680**
Wing A/I ON **-680**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	809	Length	8505	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.38
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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SAN ANTONIO/INTL -SAT 13L *DT H127*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1809'		**DT H127**	**1809'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

ALT TO-1 - WET RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	-10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	3483F 9	3732F15	3820F17		3714F 4	3813F 7	4581
46	87.8	3541F10	3792F16	3882F17		3772F 4	3873F 8	4692
44	88.0	3589F11	3846F16	3937F18		3825F 5	3926F 8	4797
42	88.0	3633F12	3894F17	3986F19		3869F 5	3973F 8	4902
40	87.9	3663F12	3928F17	4021F19		3904F 5	4008F 9	4937
38	87.6	3674F12	3939F18	4032F19		3916F 6	4020F 9	4956
36	87.4	3685F12	3950F18	4044F20		3928F 6	4032F 9	4961
34	87.1	3696F13	3962F18	4055F20		3940F 6	4043F10	4962
32	86.8	3707F13	3973F18	4067F20		3952F 7	4056F10	4964
30	86.5	3718F13	3984F18	4078F20		3964F 7	4068F10	4966
20	85.1	3768F14	4041F20	4138F21	3037F 1	4026F 9	4133F12	4974
10	83.6	3817F15	4098F21	4189F22	3739F 0	4086F10	4189D14	4970
0	82.1	3873F16	4158F22	4248F24	3835F 2	4155F12	4248D16	4977
-10	80.6	3927F17	4213F23	4306F25	3895F 3	4213D14	4306D18	4981
-20	79.0	3982F18	4268F24	4364F26	3955F 5	4268D16	4364D20	4978
-30	77.5	4040F20	4327F25	4426F27	4019F 7	4327D18	4426D22	4976

High QNH **+50** per .10" — Engine A/I ON **-360**
Low QNH **-130** per .10" — Wing A/I ON **-360**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **22**

TO-1 - WET RWY — Flaps **22**

OAT °C	N1%	-10T	+0	+10H	-10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	3785^ 7	3908^10	3942^11	3675F93	3907^ 3	3942D 6	4046
46	91.1	3867^ 7	4002^11	4036^12	3629F94	3999^ 3	4036D 7	4146
44	91.3	3939^ 8	4082^12	4123^13	3596F94	4073^ 3	4123D 7	4235
42	91.2	4003^ 8	4152^13	4195^14	3579F95	4139^ 4	4195D 7	4323
40	91.2	4053^ 9	4204^14	4248^14	3567F96	4190^ 4	4248D 8	4368
38	90.9	4067^ 9	4213^14	4256^14	3617F96	4202^ 5	4256D 8	4384
36	90.6	4072^10	4217^14	4260^14	3650F96	4208^ 5	4260D 9	4388
34	90.3	4079^10	4222^14	4264^15	3683F96	4215^ 6	4264D 9	4390
32	90.1	4085^10	4225^14	4269^15	3716F97	4221^ 6	4269D 9	4391
30	89.8	4091^11	4230^14	4273^15	3748F97	4228^ 6	4273D10	4393
20	88.2	4123^12	4251^14	4294^15	3905F98	4251D 8	4294D12	4400
10	86.7	4130^13	4247^14	4287^15	4060F99	4247D10	4287D14	4395
0	85.2	4129^12	4249^14	4289^15	4122^ 1	4249D12	4289D15	4404
-10	83.6	4121^12	4245^14	4287^15	4117^ 3	4245D14	4287D15	4407
-20	82.0	4109^12	4236^14	4280^15	4107^ 5	4236D14	4280D15	4405
-30	80.4	4093^12	4226^14	4271^15	4093D 7	4226D14	4271D15	4402

High QNH **+0** per .10" — Engine A/I ON **-710**
Low QNH **-140** per .10" — Wing A/I ON **-710**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **22**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.7	3785^ 7- 8-16	3908^10-10-17	3942^11-11-18	- -
46	91.1	3867^ 7- 9-17	4002^11-11-18	4036^12-12-19	- -
44	91.3	3939^ 8-10-18	4082^12-12-19	4123^13-13-20	- -
42	91.2	4003^ 8-11-18	4152^13-13-20	4195^14-14-21	4239^14-14-21
40	91.2	4053^ 9-11-19	4204^14-14-21	4248^14-14-21	4291^15-15-22
38	90.9	4067^ 9-12-19	4213^14-14-21	4256^14-14-21	4273^15-15-22
36	90.6	4072^10-12-19	4217^14-14-21	4260^14-14-22	4273^15-15-22
34	90.3	4079^10-12-19	4222^14-14-21	4264^15-15-22	4309^15-15-22
32	90.1	4085^10-12-19	4225^14-14-21	4269^15-15-22	4314^15-15-22
30	89.8	4091^11-12-20	4230^14-14-21	4273^15-15-22	4318^15-15-22
20	88.2	4123^12-12-20	4251^14-14-21	4294^15-15-22	4334^15-15-22
10	86.7	4130^13-13-20	4247^14-14-21	4287^15-15-22	4327^15-15-22
0	85.2	4129^12-12-20	4249^14-14-21	4289^15-15-22	4331^15-15-22
-10	83.6	4121^12-12-20	4245^14-14-21	4287^15-15-22	4330^15-15-22
-20	82.0	4109^12-12-20	4236^14-14-21	4280^15-15-22	4324^15-15-22
-30	80.4	4093^12-12-20	4226^14-14-21	4271^15-15-22	4316^15-15-22

High QNH **+0** per .10" — Engine A/I ON **-710**
Low QNH **-140** per .10" — Wing A/I ON **-710**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	809	Length	5519	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.33
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3785^ 7	3908^10	3942^11	3779^ 7	3904^10	3937^10			
46	3867^ 7	4002^11	4036^12	3861^ 7	3997^11	4031^12			
44	3939^ 8	4082^12	4123^13	3933^ 7	4076^12	4118^13			
42	4003^ 8	4152^13	4195^14	3996^ 8	4146^13	4189^14			
40	4053^ 9	4204^14	4248^14	4047^ 8	4199^14	4242^14			
38	4067^ 9	4213^14	4256^14	4061^ 9	4208^14	4251^14			
36	4072^10	4217^14	4260^14	4067^ 9	4213^14	4256^14			
34	4079^10	4222^14	4264^15	4073^10	4216^14	4260^14			
32	4085^10	4225^14	4269^15	4079^10	4221^14	4264^15			
30	4091^11	4230^14	4273^15	4086^10	4225^14	4268^15			
20	4123^12	4251^14	4294^15	4117^12	4247^14	4284^15			
10	4130^13	4247^14	4287^15	4060^12	4225^14	4216^14			
0	4129^12	4249^14	4289^15	4057^12	4176^13	4216^14			
-10	4121^12	4245^14	4287^15	4052^12	4175^13	4216^14			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -140 per .10"			Low QNH -160 per .10"			Low QNH per .10"		
	Engine A/I ON -710			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -710			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 22 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 22 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3675F93	3907^ 3	3942D 6	3666F93	3902^ 3	3937D 6			
46	3629F94	3999^ 3	4036D 7	3621F93	3993^ 3	4031D 6			
44	3596F94	4073^ 3	4123D 7	3588F94	4067^ 3	4118D 7			
42	3579F95	4139^ 4	4195D 7	3571F95	4133^ 4	4189D 7			
40	3567F96	4190^ 4	4248D 8	3560F96	4184^ 4	4242D 8			
38	3617F96	4202^ 5	4256D 8	3609F96	4196^ 5	4251D 8			
36	3650F96	4208^ 5	4260D 9	3643F96	4203^ 5	4256D 9			
34	3683F96	4215^ 6	4264D 9	3676F96	4210^ 6	4260D 9			
32	3716F97	4221^ 6	4269D 9	3708F97	4217^ 6	4264D 9			
30	3748F97	4228^ 6	4273D10	3740F97	4223^ 6	4268D10			
20	3905F98	4251D 8	4294D12	3897F98	4247D 8	4284D12			
10	4060F99	4247D10	4287D14	4035^99	4181^10	4216D14			
0	4122^ 1	4249D12	4289D15	4051^ 1	4176D12	4216D14			
-10	4117^ 3	4245D14	4287D15	4049^ 3	4175D13	4216D14			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -710			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -710			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28						2732F96			
26						2772F96			
24						2804F96			
22						2847F96			
20						2883F97			
18						2917F97			
16						2951F97			
14						2990F97			
12					2661F95	3031F97			
10					2654F95	3076F98			
0					2933F97	3254F99			
-10					3109F98	3510F 0			
-20					3292F99	3643F 1			
-30					3519F 0	3756F 3			
	High QNH per .10"			High QNH +110 per .10"			High QNH per .10"		
	Low QNH per .10"			Low QNH -420 per .10"			Low QNH per .10"		
	Engine A/I ON			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON			Wing A/I ON +0			Wing A/I ON		

Elevation 809 Length 5519 Shift **0** Clearway 0 Stopway 0 Slope -0.33

Rwy Rev. Program Rules FAA **26 Oct 17**

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SAN ANTONIO/INTL -SAT 13R *DT H127*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1809'		**DT H127**	**1809'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	4228^24	4376^27	4428^28	4205^14	4376D24	4428D27	4581
46	87.8	4317^26	4470^29	4523^29	4290^14	4470D24	4523D28	4692
44	88.0	4397^27	4554^30	4607^31	4365^15	4554D25	4607D28	4797
42	88.0	4469^28	4630^31	4684^32	4431^15	4630D25	4684D28	4902
40	87.9	4510^28	4672^31	4727^32	4473^16	4672D26	4727D29	4937
38	87.6	4517^29	4678^31	4734^32	4481^16	4678D26	4734D29	4956
36	87.4	4524^29	4685^32	4742^32	4489^16	4685D26	4742D30	4961
34	87.1	4531^29	4693^32	4748^33	4497^17	4693D27	4748D30	4962
32	86.8	4536^29	4699^32	4755^33	4505^17	4699D27	4755D30	4964
30	86.5	4543^29	4706^32	4761^33	4513^17	4706D28	4761D31	4966
20	85.1	4573^29	4737^32	4793^33	4553^19	4737D30	4793D33	4974
10	83.6	4595^30	4759^33	4814^34	4584^21	4759D32	4814D34	4970
0	82.1	4628^30	4792^33	4848^34	4626^24	4792D34	4848D35	4977
-10	80.6	4654^31	4819^34	4875^35	4654D26	4819D34	4875D35	4981
-20	79.0	4675^31	4841^34	4897^35	4675D28	4841D35	4897D36	4978
-30	77.5	4698^32	4864^34	4920^35	4698D30	4864D35	4920D36	4976

High QNH **+20** per .10" — Engine A/I ON **-670**
Low QNH **-160** per .10" — Wing A/I ON **-670**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4264^25	4410^28	4459^29	4241^16	4410D26	4459D29	4581
46	91.1	4356^26	4506^29	4556^30	4327^16	4506D26	4556D29	4692
44	91.3	4439^28	4593^30	4644^31	4404^16	4593D27	4644D30	4797
42	91.2	4515^29	4673^31	4726^32	4474^17	4673D27	4726D30	4902
40	91.2	4562^29	4720^32	4773^33	4520^17	4720D28	4773D31	4937
38	90.9	4575^30	4733^32	4787^33	4535^18	4733D28	4787D32	4956
36	90.6	4581^30	4740^32	4793^33	4543^18	4740D29	4793D32	4961
34	90.3	4588^30	4745^33	4799^33	4552^19	4745D29	4799D33	4962
32	90.1	4593^30	4752^33	4805^34	4559^19	4752D30	4805D33	4964
30	89.8	4599^30	4758^33	4811^34	4567^20	4758D30	4811D33	4966
20	88.2	4629^30	4787^33	4841^34	4607^22	4787D32	4841D35	4974
10	86.7	4647^31	4806^34	4859^34	4639^24	4806D34	4859D35	4970
0	85.2	4678^31	4838^34	4891^35	4678D26	4838D35	4891D36	4977
-10	83.6	4703^32	4863^34	4917^35	4703D28	4863D35	4917D36	4981
-20	82.0	4723^32	4883^35	4937^36	4723D31	4883D35	4937D36	4978
-30	80.4	4743^32	4894^35	4936^36	4743D33	4894D35	4936D36	4976

High QNH **+10** per .10" — Engine A/I ON **-710**
Low QNH **-160** per .10" — Wing A/I ON **-710**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.7	4264^25-25-35	4410^28-28-37	4459^29-29-38	4509^30-30-39
46	91.1	4356^26-26-36	4506^29-29-39	4556^30-30-39	4608^31-31-40
44	91.3	4439^28-28-38	4593^30-30-40	4644^31-31-41	4698^32-32-41
42	91.2	4515^29-29-39	4673^31-31-41	4726^32-32-42	4780^33-33-43
40	91.2	4562^29-29-39	4720^32-32-42	4773^33-33-43	4827^34-34-43
38	90.9	4575^30-30-40	4733^32-32-42	4787^33-33-43	4840^34-34-43
36	90.6	4581^30-30-40	4740^32-32-42	4793^33-33-43	4846^34-34-44
34	90.3	4588^30-30-40	4745^33-33-42	4799^33-33-43	4853^34-34-44
32	90.1	4593^30-30-40	4752^33-33-42	4805^34-34-43	4859^34-34-44
30	89.8	4599^30-30-40	4758^33-33-42	4811^34-34-43	4865^35-35-44
20	88.2	4629^30-30-40	4787^33-33-43	4841^34-34-43	4895^35-35-44
10	86.7	4647^31-31-41	4806^34-34-43	4859^34-34-44	4914^35-35-45
0	85.2	4678^31-31-41	4838^34-34-43	4891^35-35-44	4946^36-36-45
-10	83.6	4703^32-32-42	4863^34-34-44	4917^35-35-45	4972^42-42-51
-20	82.0	4723^32-32-42	4883^35-35-44	4939^42-42-51	4997^43-43-52
-30	80.4	4743^32-32-42	4908^41-41-50	4965^42-42-51	4996C43-43-52

High QNH **+20** per .10" — Engine A/I ON **-710**
Low QNH **-160** per .10" — Wing A/I ON **-710**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	809	Length	8502	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.36
Rwy Rev.		Program						Rules	FAA		**30 Oct 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP — Flaps **9**

OAT °C	-10T	+0	+10H
48	4264^25	4410^28	4459^29
46	4356^26	4506^29	4556^30
44	4439^28	4593^30	4644^31
42	4515^29	4673^31	4726^32
40	4562^29	4720^32	4773^33
38	4575^30	4733^32	4787^33
36	4581^30	4740^32	4793^33
34	4588^30	4745^33	4799^33
32	4593^30	4752^33	4805^34
30	4599^30	4758^33	4811^34
20	4629^30	4787^33	4841^34
10	4647^31	4806^34	4859^34
0	4678^31	4838^34	4891^35
-10	4703^32	4863^34	4917^35

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

DRY - EAI VLV INOP OPEN — Flaps **9**

-10T	+0	+10H
4258^25	4404^28	4454^29
4349^26	4499^29	4550^30
4432^28	4586^30	4638^31
4509^29	4666^31	4719^32
4556^29	4713^32	4767^33
4569^29	4727^32	4781^33
4576^30	4734^32	4788^33
4582^30	4740^32	4794^33
4588^30	4746^33	4800^33
4593^30	4752^33	4805^34
4622^30	4782^33	4835^34
4582^30	4736^33	4789^34
4613^30	4769^33	4821^34
4636^31	4791^34	4844^34

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

DRY — Flaps

-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP — Flaps **9**

OAT °C	-10T	+0	+10H
48	4241^16	4410D26	4459D29
46	4327^16	4506D26	4556D29
44	4404^16	4593D27	4644D30
42	4474^17	4673D27	4726D30
40	4520^17	4720D28	4773D31
38	4535^18	4733D28	4787D32
36	4543^18	4740D29	4793D32
34	4552^19	4745D29	4799D33
32	4559^19	4752D30	4805D33
30	4567^20	4758D30	4811D33
20	4607^22	4787D32	4841D35
10	4639^24	4806D34	4859D35
0	4678D26	4838D35	4891D36
-10	4703D28	4863D35	4917D36

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

WET - EAI VLV INOP OPEN — Flaps **9**

-10T	+0	+10H
4236^15	4404D25	4454D29
4321^16	4499D26	4550D29
4398^16	4586D26	4638D30
4468^17	4666D27	4719D30
4514^17	4713D28	4767D31
4530^18	4727D28	4781D32
4538^18	4734D29	4788D32
4546^19	4740D29	4794D32
4554^19	4746D29	4800D33
4562^20	4752D30	4805D33
4602^21	4782D32	4835D35
4579^24	4736D33	4789D34
4613D26	4769D34	4821D35
4636D28	4791D34	4844D35

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

WET — Flaps

-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM — Flaps **9**

OAT °C	-10T	+0	+10H
28	3642F98	4327F 6	4419F10
26	3771F98	4339F 7	4432F10
24	3927F98	4352F 7	4445F10
22	4034F98	4364F 7	4458F11
20	4115F98	4377F 8	4471F11
18	4125F98	4389F 8	4483F11
16	4138F98	4402F 9	4496F12
14	4148F99	4414F 9	4509F12
12	4158F99	4425F 9	4521F13
10	4167F 0	4436F10	4534F13
0	4227F 1	4505F12	4608F15
-10	4284F 3	4576F14	4660^18
-20	4344F 5	4627^16	4706^20
-30	4409F 8	4672^19	4755^22

High QNH **+40** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-540**
Wing A/I ON **-540**

LEVEL 2 CONTAM — Flaps **22**

-10T	+0	+10H
3651F 2	4015F10	4159F13
3664F 2	4029F10	4176F13
3674F 2	4042F11	4195F13
3688F 2	4058F11	4213F14
3701F 3	4071F11	4233F14
3708F 3	4089F12	4249F14
3728F 3	4106F12	4272F15
3728F 3	4125F12	4284^15
3757F 4	4144F13	4280^15
3768F 4	4166F13	4278^15
3855F 6	4239^14	4282^15
3923F 7	4237^14	4281^15
3991F 9	4229^14	4274^15
4053^11	4219^14	4266^14

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

LEVEL 3 CONTAM — Flaps

-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	809	Length	8502	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.36
Rwy Rev.		Program						Rules	FAA		**30 Oct 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1809'		**DT H216**	**1809'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	4179^24	4320^26	4370^27	4150^14	4320D24	4370D27	4581
46	87.8	4262^25	4407^27	4458^28	4227^14	4407D24	4458D27	4692
44	88.0	4335^26	4484^28	4537^29	4296^15	4484D25	4537D28	4797
42	88.0	4400^27	4553^29	4606^30	4356^15	4553D25	4606D28	4902
40	87.9	4441^27	4595^30	4649^31	4397F16	4595D26	4649D29	4937
38	87.6	4449^27	4603^30	4658^31	4406^16	4603D26	4658D29	4956
36	87.4	4457^27	4612^30	4665^31	4416^16	4612D26	4665D29	4961
34	87.1	4465^28	4620^30	4674^31	4426^17	4620D27	4674D30	4962
32	86.8	4473^28	4628^31	4681^31	4436^17	4628D27	4681D30	4964
30	86.5	4481^28	4636^31	4689^32	4445^17	4636D27	4689D30	4966
20	85.1	4520^29	4675^31	4729^32	4494^19	4675D29	4729D32	4974
10	83.6	4552^29	4706^32	4760^33	4535^21	4706D31	4760D34	4970
0	82.1	4591^30	4747^33	4802^33	4586^23	4747D33	4802D34	4977
-10	80.6	4626^30	4782^33	4837^34	4626D25	4782D34	4837D35	4981
-20	79.0	4657^31	4813^34	4867^35	4657D27	4813D34	4867D35	4978
-30	77.5	4688^31	4844^34	4898^35	4688D30	4844D35	4898D35	4976

High QNH **+30** per .10" Engine A/I ON **-610**
Low QNH **-150** per .10" Wing A/I ON **-610**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4226^24	4364^27	4412^28	4196^16	4364D25	4412D28	4581
46	91.1	4313^26	4455^28	4504^29	4276^16	4455D26	4504D29	4692
44	91.3	4391^27	4536^29	4587^30	4348^17	4536D26	4587D30	4797
42	91.2	4461^28	4609^30	4661^31	4411^17	4609D27	4661D30	4902
40	91.2	4508^28	4657^31	4709^32	4457^18	4657D28	4709D31	4937
38	90.9	4524^29	4673^31	4726^32	4476^18	4673D28	4726D32	4956
36	90.6	4532^29	4681^31	4733^32	4485^19	4681D29	4733D32	4961
34	90.3	4540^29	4689^32	4741^32	4495^19	4689D29	4741D32	4962
32	90.1	4546^29	4696^32	4749^33	4505^19	4696D29	4749D33	4964
30	89.8	4554^29	4703^32	4756^33	4515^20	4703D30	4756D33	4966
20	88.2	4590^30	4741^32	4793^33	4562^22	4741D32	4793D34	4974
10	86.7	4618^30	4768^33	4820^34	4604^24	4768D34	4820D35	4970
0	85.2	4656^31	4807^34	4859^34	4655^26	4807D34	4859D35	4977
-10	83.6	4689^32	4840^34	4891^35	4689D28	4840D35	4891D36	4981
-20	82.0	4716^32	4867^35	4919^35	4716D30	4867D35	4919D36	4978
-30	80.4	4744^32	4886^35	4928^36	4744D33	4886D35	4928D36	4976

High QNH **+10** per .10" Engine A/I ON **-680**
Low QNH **-160** per .10" Wing A/I ON **-680**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	4226^24-24-34	4364^27-27-37	4412^28-28-37	4461^29-29-38
46	91.1	4313^26-26-36	4455^28-28-38	4504^29-29-39	4554^30-30-39
44	91.3	4391^27-27-37	4536^29-29-39	4587^30-30-40	4638^31-31-41
42	91.2	4461^28-28-38	4609^30-30-40	4661^31-31-41	4714^32-32-42
40	91.2	4508^28-28-39	4657^31-31-41	4709^32-32-42	4762^33-33-42
38	90.9	4524^29-29-39	4673^31-31-41	4726^32-32-42	4779^33-33-43
36	90.6	4532^29-29-39	4681^31-31-41	4733^32-32-42	4786^33-33-43
34	90.3	4540^29-29-39	4689^32-32-41	4741^32-32-42	4794^33-33-43
32	90.1	4546^29-29-39	4696^32-32-41	4749^33-33-42	4801^33-33-43
30	89.8	4554^29-29-39	4703^32-32-42	4756^33-33-42	4809^34-34-43
20	88.2	4590^30-30-40	4741^32-32-42	4793^33-33-43	4846^34-34-44
10	86.7	4618^30-30-40	4768^33-33-42	4820^34-34-43	4873^35-35-44
0	85.2	4656^31-31-41	4807^34-34-43	4859^34-34-44	4912^35-35-45
-10	83.6	4689^32-32-41	4840^34-34-43	4891^35-35-44	4944^36-36-45
-20	82.0	4716^32-32-42	4867^35-35-44	4919^35-35-45	4971^36-36-45
-30	80.4	4744^32-32-42	4886^35-35-44	4928^36-36-45	4983^42-42-51

High QNH **+10** per .10" Engine A/I ON **-680**
Low QNH **-160** per .10" Wing A/I ON **-680**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 809 Length 8505 Shift **0** Clearway 0 Stopway 0 Slope +0.38
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4226^24	4364^27	4412^28
46	4313^26	4455^28	4504^29
44	4391^27	4536^29	4587^30
42	4461^28	4609^30	4661^31
40	4508^28	4657^31	4709^32
38	4524^29	4673^31	4726^32
36	4532^29	4681^31	4733^32
34	4540^29	4689^32	4741^32
32	4546^29	4696^32	4749^33
30	4554^29	4703^32	4756^33
20	4590^30	4741^32	4793^33
10	4618^30	4768^33	4820^34
0	4656^31	4807^34	4859^34
-10	4689^32	4840^34	4891^35

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-670**
Wing A/I ON **-670**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4220^24	4358^27	4405^28
46	4306^26	4447^28	4496^29
44	4383^27	4529^29	4579^30
42	4453^28	4602^30	4654^31
40	4501^28	4650^31	4702^32
38	4518^29	4667^31	4719^32
36	4526^29	4674^31	4727^32
34	4533^29	4683^31	4735^32
32	4541^29	4689^32	4743^32
30	4547^29	4697^32	4750^33
20	4585^30	4735^32	4787^33
10	4558^30	4704^32	4755^33
0	4596^30	4743^33	4794^34
-10	4626^31	4772^33	4823^34

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T +0 +10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4196^16	4364D25	4412D28
46	4276^16	4455D26	4504D29
44	4348^17	4536D26	4587D30
42	4411^17	4609D27	4661D30
40	4457^18	4657D28	4709D31
38	4476^18	4673D28	4726D32
36	4485^19	4681D29	4733D32
34	4495^19	4689D29	4741D32
32	4505^19	4696D29	4749D33
30	4515^20	4703D30	4756D33
20	4562^22	4741D32	4793D34
10	4604^24	4768D34	4820D35
0	4655^26	4807D34	4859D35
-10	4689D28	4840D35	4891D36

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-670**
Wing A/I ON **-670**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4190^15	4358D25	4405D28
46	4270^16	4447D26	4496D29
44	4340^16	4529D26	4579D29
42	4405^17	4602D27	4654D30
40	4451^17	4650D27	4702D31
38	4470^18	4667D28	4719D31
36	4480^19	4674D29	4727D32
34	4490^19	4683D29	4735D32
32	4500^19	4689D29	4743D33
30	4509^20	4697D30	4750D33
20	4557^22	4735D32	4787D34
10	4551^24	4704D33	4755D34
0	4596D26	4743D34	4794D34
-10	4626D28	4772D34	4823D35

High QNH **+30** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T +0 +10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3986F98	4239F 8	4332F11
26	3996F98	4251F 8	4345F12
24	4007F99	4263F 9	4357F12
22	4017F99	4276F 9	4370F12
20	4028F 0	4288F10	4383F13
18	4038F 0	4300F10	4396F13
16	4047F 0	4313F10	4408F14
14	4058F 1	4325F11	4420F14
12	4068F 1	4335F11	4432F14
10	4076F 1	4347F12	4444F15
0	4136F 3	4415F14	4517F17
-10	4194F 5	4485F16	4576^19
-20	4253F 7	4549^18	4633^21
-30	4314F 9	4606^20	4692^24

High QNH **+50** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-480**
Wing A/I ON **-480**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3569F 3	4004F11	4164F13
26	3577F 3	4021F11	4182F13
24	3588F 4	4038F11	4191F13
22	3596F 4	4057F11	4195F13
20	3608F 4	4075F12	4199F14
18	3621F 5	4094F12	4203F14
16	3633F 5	4112F12	4207F14
14	3645F 5	4132F13	4208F14
12	3655F 5	4151F13	4208F14
10	3671F 6	4171F13	4208F14
0	3743F 7	4211F14	4242^14
-10	3831F 9	4222F14	4268^15
-20	3953F10	4223^14	4268^15
-30	4058F11	4214^14	4260D14

High QNH **+0** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-980**
Wing A/I ON **-980**

Flaps -10T +0 +10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 3 CONTAM

Flaps -10T +0 +10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	809	Length	8505	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.38
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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SAN ANTONIO/INTL -SAT 31L *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.7 IIZR	**SAT R-224**	**LT H250**	**1809'**	
NOTAMS 9/7412						

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	4238^25	4375^27	4424^28	4200F14	4375D24	4424D27	4581
46	87.8	4326^26	4468^28	4516^29	4269F15	4468D24	4516D28	4692
44	88.0	4402F27	4548^30	4599^30	4330F15	4548D25	4599D28	4797
42	88.0	4461F28	4621^31	4674^32	4385F16	4621^25	4674D29	4902
40	87.9	4499F28	4665^31	4716^32	4423F16	4663^26	4716D29	4937
38	87.6	4511F28	4671^31	4724^32	4436F17	4671D26	4724D29	4956
36	87.4	4520F29	4679^31	4732^32	4448F17	4679D27	4732D30	4961
34	87.1	4532F29	4687^32	4739^32	4461F17	4687D27	4739D30	4962
32	86.8	4543F29	4693^32	4747^33	4474F18	4693D27	4747D30	4964
30	86.5	4550^29	4701^32	4753^33	4487F18	4701D28	4753D31	4966
20	85.1	4584^30	4735^32	4788^33	4550F20	4735D30	4788D33	4974
10	83.6	4609^30	4760^33	4813^34	4589^22	4760D32	4813D34	4970
0	82.1	4644^31	4797^33	4849^34	4634^24	4797D34	4849D35	4977
-10	80.6	4673^31	4826^34	4879^35	4673D26	4826D35	4879D35	4981
-20	79.0	4699^32	4850^34	4903^35	4699D28	4850D35	4903D36	4978
-30	77.5	4722^32	4870^35	4913^35	4722D30	4870D35	4913D35	4976

High QNH **+10** per .10" Engine A/I ON **-680**
Low QNH **-160** per .10" Wing A/I ON **-680**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	4278^25	4412^28	4459^29	4246^16	4412D26	4459D29	4581
46	91.1	4369^27	4507^29	4555^30	4330^16	4507D26	4555D29	4692
44	91.3	4450^28	4593^30	4642^31	4405^17	4593D27	4642D30	4797
42	91.2	4524^29	4669^31	4720^32	4470F17	4669D27	4720D31	4902
40	91.2	4571^30	4717^32	4768^33	4517F18	4717D28	4768D31	4937
38	90.9	4586^30	4732^32	4782^33	4536^19	4732D29	4782D32	4956
36	90.6	4593^30	4739^32	4789^33	4544^19	4739D29	4789D32	4961
34	90.3	4599^30	4745^33	4796^33	4553^19	4745D29	4796D33	4962
32	90.1	4606^30	4752^33	4802^34	4562^20	4752D30	4802D33	4964
30	89.8	4612^30	4758^33	4809^34	4571^20	4758D30	4809D33	4966
20	88.2	4644^31	4790^33	4841^34	4613^22	4790D32	4841D35	4974
10	86.7	4666^31	4812^34	4863^35	4649^24	4812D34	4863D35	4970
0	85.2	4699^32	4846^34	4896^35	4694^26	4846D35	4896D36	4977
-10	83.6	4725^32	4872^35	4922^35	4725D28	4872D35	4922D36	4981
-20	82.0	4746^32	4892^35	4937^36	4746D31	4892D35	4937D36	4978
-30	80.4	4760^33	4886^35	4928^36	4760D33	4886D35	4928D36	4976

High QNH **+10** per .10" Engine A/I ON **-720**
Low QNH **-160** per .10" Wing A/I ON **-720**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.7	4278^25-25-35	4412^28-28-37	4459^29-29-38	4506^30-30-39
46	91.1	4369^27-27-37	4507^29-29-39	4555^30-30-39	4604^31-31-40
44	91.3	4450^28-28-38	4593^30-30-40	4642^31-31-41	4692^32-32-41
42	91.2	4524^29-29-39	4669^31-31-41	4720^32-32-42	4771^33-33-42
40	91.2	4571^30-30-40	4717^32-32-42	4768^33-33-42	4819^34-34-43
38	90.9	4586^30-30-40	4732^32-32-42	4782^33-33-43	4833^34-34-43
36	90.6	4593^30-30-40	4739^32-32-42	4789^33-33-43	4841^34-34-43
34	90.3	4599^30-30-40	4745^33-33-42	4796^33-33-43	4847^34-34-44
32	90.1	4606^30-30-40	4752^33-33-42	4802^34-34-43	4854^34-34-44
30	89.8	4612^30-30-40	4758^33-33-42	4809^34-34-43	4860^34-34-44
20	88.2	4644^31-31-41	4790^33-33-43	4841^34-34-43	4893^35-35-44
10	86.7	4666^31-31-41	4812^34-34-43	4863^35-35-44	4914^35-35-45
0	85.2	4699^32-32-41	4846^34-34-44	4896^35-35-44	4947^36-36-45
-10	83.6	4725^32-32-42	4872^35-35-44	4922^35-35-45	4974^36-36-45
-20	82.0	4746^32-32-42	4892^35-35-44	4941^42-42-51	4996^43-43-52
-30	80.4	4762^39-39-48	4916^41-41-50	4971^42-42-51	4996C43-43-52

High QNH **+20** per .10" Engine A/I ON **-700**
Low QNH **-160** per .10" Wing A/I ON **-700**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	809	Length	8502	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.36
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4278^25	4412^28	4459^29	4272^25	4406^28	4453^29			
46	4369^27	4507^29	4555^30	4362^27	4501^29	4548^30			
44	4450^28	4593^30	4642^31	4443^28	4585^30	4634^31			
42	4524^29	4669^31	4720^32	4516^29	4663^31	4713^32			
40	4571^30	4717^32	4768^33	4564^29	4711^32	4761^33			
38	4586^30	4732^32	4782^33	4580^30	4726^32	4777^33			
36	4593^30	4739^32	4789^33	4587^30	4733^32	4784^33			
34	4599^30	4745^33	4796^33	4593^30	4740^32	4790^33			
32	4606^30	4752^33	4802^34	4600^30	4746^33	4797^33			
30	4612^30	4758^33	4809^34	4606^30	4753^33	4803^34			
20	4644^31	4790^33	4841^34	4638^31	4785^33	4835^34			
10	4666^31	4812^34	4863^35	4601^30	4744^33	4793^34			
0	4699^32	4846^34	4896^35	4635^31	4777^33	4827^34			
-10	4725^32	4872^35	4922^35	4657^31	4800^34	4849^35			
	High QNH +20 per .10" Low QNH -160 per .10"			High QNH +20 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -700 Wing A/I ON -700			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4246^16	4412D26	4459D29	4240^16	4406D26	4453D29			
46	4330^16	4507D26	4555D29	4324^16	4501D26	4548D29			
44	4405^17	4593D27	4642D30	4398^17	4585D27	4634D30			
42	4470F17	4669D27	4720D31	4462F17	4663D27	4713D30			
40	4517F18	4717D28	4768D31	4509F18	4711D28	4761D31			
38	4536^19	4732D29	4782D32	4530^18	4726D29	4777D32			
36	4544^19	4739D29	4789D32	4539^19	4733D29	4784D32			
34	4553^19	4745D29	4796D33	4548^19	4740D29	4790D33			
32	4562^20	4752D30	4802D33	4556^20	4746D30	4797D33			
30	4571^20	4758D30	4809D33	4565^20	4753D30	4803D33			
20	4613^22	4790D32	4841D35	4608^22	4785D32	4835D35			
10	4649^24	4812D34	4863D35	4591^24	4744D33	4793D34			
0	4694^26	4846D35	4896D36	4635D26	4777D34	4827D35			
-10	4725D28	4872D35	4922D36	4657D29	4800D34	4849D35			
	High QNH +20 per .10" Low QNH -160 per .10"			High QNH +20 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -700 Wing A/I ON -700			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4009F99	4264F 9	4356F12	3595F 3	4030F11	4189F13			
26	4022F99	4276F 9	4369F12	3608F 4	4049F11	4194F13			
24	4032F99	4288F 9	4382F13	3619F 4	4067F12	4198F14			
22	4041F 0	4300F10	4395F13	3625F 4	4086F12	4202F14			
20	4053F 0	4313F10	4408F13	3641F 5	4103F12	4207F14			
18	4062F 0	4325F10	4419F14	3656F 5	4123F12	4210F14			
16	4073F 1	4338F11	4433F14	3656F 5	4142F13	4214F14			
14	4082F 1	4350F11	4446F15	3681F 6	4160F13	4216F14			
12	4092F 1	4361F12	4457F15	3692F 6	4180F13	4216F14			
10	4101F 2	4372F12	4470F15	3708F 6	4193F13	4216^14			
0	4160F 4	4441F14	4543F17	3785F 8	4218F14	4249^14			
-10	4219F 6	4510F16	4615F20	3879F 9	4231^14	4275^15			
-20	4278F 8	4581F18	4688F22	3986F10	4223^14	4268^15			
-30	4341F10	4654F21	4744^24	4077^12	4214^14	4261^14			
	High QNH +50 per .10" Low QNH -70 per .10"			High QNH +0 per .10" Low QNH -90 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -430 Wing A/I ON -430			Engine A/I ON -1040 Wing A/I ON -1040			Engine A/I ON Wing A/I ON		

Elevation 809 Length 8502 Shift **0** Clearway 0 Stopway 0 Slope +0.36

Rwy Rev. Program Rules FAA **26 Apr 19**

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SAN ANTONIO/INTL -SAT 31R *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D5.6 IIZR	**SAT R-224**	**LT H250**	**1809'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.4	3464F 9	3707F14	3784F16	3041F97	3701F 5	3784D 8	4581
46	87.8	3522F10	3770F15	3849F17	2804F99	3761F 6	3849D 9	4692
44	88.0	3573F11	3825F16	3906F18		3812F 6	3906D 9	4797
42	88.0	3618F11	3872F17	3957F18		3857F 6	3955F10	4902
40	87.9	3650F12	3906F17	3992F19		3892F 7	3990F10	4937
38	87.6	3660F12	3917F17	4003F19		3904F 7	4002F10	4956
36	87.4	3670F12	3928F17	4013F19	2650F 2	3916F 7	4013D11	4961
34	87.1	3679F12	3939F18	4021F19	2836F 1	3928F 8	4021D11	4962
32	86.8	3689F12	3950F18	4032F19	2993F 1	3940F 8	4032D11	4964
30	86.5	3698F13	3961F18	4042F20	3148F 1	3952F 8	4042D12	4966
20	85.1	3747F14	4011F19	4094F21	3700F 0	4008F10	4094D13	4974
10	83.6	3796F15	4059F20	4145F22	3763F 1	4059D12	4145D15	4970
0	82.1	3851F16	4115F21	4204F23	3823F 3	4115D14	4204D17	4977
-10	80.6	3904F17	4168F22	4260F24	3882F 5	4168D16	4260D19	4981
-20	79.0	3959F18	4223F23	4318F25	3942F 7	4223D17	4318D21	4978
-30	77.5	4008F19	4280F24	4378F26	4002F 9	4280D19	4378D23	4976

High QNH **+40** per .10" Engine A/I ON **-370**
Low QNH **-130** per .10" Wing A/I ON **-370**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 22 -10T	+0	+10H	TO-1 - WET RWY Flaps 22 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.7	3800^ 7	3892^10	3933^10	3760F94	3892D 4	3933D 7	4046
46	91.1	3891^ 8	3993^11	4027^12	3779F94	3993D 4	4027D 8	4146
44	91.3	3967F 8	4079^12		3753F95	4079D 5		4235
42	91.2	4026F 9	4161^13		3744F96	4161D 5		4323
40	91.2	4076F 9	4217^14		3738F96	4217D 5		4368
38	90.9	4102F10	4242^14		3786F97	4242D 6		4384
36	90.6	4113F10	4242^14		3817F97	4242D 6		4388
34	90.3	4122F10	4243^14		3845F97	4243D 7		4390
32	90.1	4132F11	4243^14	4280^15	3874F97	4243D 7	4280D11	4391
30	89.8	4134^11	4243^14	4281^15	3904F98	4243D 7	4281D11	4393
20	88.2	4136^13		4285^15	4048F99		4285D13	4400
10	86.7	4124^12	4238^14	4277^15	4117^ 0	4238D11	4277D15	4395
0	85.2	4122^12	4240^14	4279^15	4118^ 2	4240D13	4279D15	4404
-10	83.6	4114^12	4236^14	4277^15	4114^ 4	4236D14	4277D15	4407
-20	82.0	4102^12	4227^14	4270^15	4102D 6	4227D14	4270D15	4405
-30	80.4		4217^14	4261^14		4217D14	4261D15	4402

High QNH **+0** per .10" Engine A/I ON **-710**
Low QNH **-140** per .10" Wing A/I ON **-710**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 22 -10T	+0	+10H	+20H
48	90.7	3800^ 7- 8-16	3892^10-10-17	3933^10-10-18	3967^11-11-18
46	91.1	3891^ 8-10-17	3993^11-11-18	4027^12-12-19	4061^12-12-19
44	91.3	3967F 8-10-18	4079^12-12-19	- -	- -
42	91.2	4026F 9-11-19	4161^13-13-20	- -	- -
40	91.2	4076F 9-12-19	4217^14-14-21	- -	- -
38	90.9	4102F10-12-20	4242^14-14-21	- -	- -
36	90.6	4113F10-12-20	4242^14-14-21	- -	- -
34	90.3	4122F10-12-20	4243^14-14-21	- -	- -
32	90.1	4132F11-13-20	4243^14-14-21	4280^15-15-22	4317^15-15-22
30	89.8	4134^11-13-20	4243^14-14-21	4281^15-15-22	4319^15-15-22
20	88.2	4136^13-13-20	- -	4285^15-15-22	4323^15-15-22
10	86.7	4124^12-12-20	4238^14-14-21	4277^15-15-22	4316^15-15-22
0	85.2	4122^12-12-20	4240^14-14-21	4279^15-15-22	4320^15-15-22
-10	83.6	4114^12-12-20	4236^14-14-21	4277^15-15-22	4319^15-15-22
-20	82.0	4102^12-12-20	4227^14-14-21	4270^15-15-22	4313^15-15-22
-30	80.4	- -	4217^14-14-21	4261^14-14-22	4306^15-15-22

High QNH **+0** per .10" Engine A/I ON **-710**
Low QNH **-140** per .10" Wing A/I ON **-710**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	809	Length	5519	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.33
Rwy Rev.		Program						Rules	FAA		**01 Oct 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

Flaps **22**

OAT °C	-10T	+0	+10H
48	3800^ 7	3892^10	3933^10
46	3891^ 8	3993^11	4027^12
44	3967F 8	4079^12	
42	4026F 9	4161^13	
40	4076F 9	4217^14	
38	4102F10	4242^14	
36	4113F10	4242^14	
34	4122F10	4243^14	
32	4132F11	4243^14	4280^15
30	4134^11	4243^14	4281^15
20	4136^13		4285^15
10	4124^12	4238^14	4277^15
0	4122^12	4240^14	4279^15
-10	4114^12	4236^14	4277^15

High QNH **+0** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

DRY - EAI VLV INOP OPEN

Flaps **22**

OAT °C	-10T	+0	+10H
48	3795^ 7		3928^10
46	3886^ 7	3988^11	4022^12
44	3958F 8	4074^12	
42	4016F 8	4157^13	
40	4067F 9	4213^14	
38	4093F10	4238^14	
36	4104F10	4239^14	
34	4115F10	4239^14	
32	4124F10	4239^14	4276^15
30	4130^11	4239^14	4277^15
20	4132^13		4281^15
10	4054^12	4167^13	4206^14
0	4050^12	4167^13	4206^14
-10	4046^11	4166^13	4207^14

High QNH **+0** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

Flaps **22**

OAT °C	-10T	+0	+10H
48	3760F94	3892D 4	3933D 7
46	3779F94	3993D 4	4027D 8
44	3753F95	4079D 5	
42	3744F96	4161D 5	
40	3738F96	4217D 5	
38	3786F97	4242D 6	
36	3817F97	4242D 6	
34	3845F97	4243D 7	
32	3874F97	4243D 7	4280D11
30	3904F98	4243D 7	4281D11
20	4048F99		4285D13
10	4117^ 0	4238D11	4277D15
0	4118^ 2	4240D13	4279D15
-10	4114^ 4	4236D14	4277D15

High QNH **+0** per .10"
Low QNH **-140** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

WET - EAI VLV INOP OPEN

Flaps **22**

OAT °C	-10T	+0	+10H
48	3753F94		3928D 7
46	3769F94	3988D 4	4022D 8
44	3744F95	4074D 4	
42	3735F96	4157D 5	
40	3729F96	4213D 5	
38	3778F97	4238D 6	
36	3808F97	4239D 6	
34	3837F97	4239D 7	
32	3866F97	4239D 7	4276D10
30	3895F98	4239D 7	4277D11
20	4040F99		4281D13
10	4049^ 0	4167D11	4206D14
0	4048^ 2	4167D13	4206D14
-10	4046D 4	4166D13	4207D14

High QNH **+0** per .10"
Low QNH **-140** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

Flaps **22**

OAT °C	-10T	+0	+10H
28			3434F92
26			3512F93
24			3544F93
22			3561F93
20			3596F93
18			3631F94
16			3666F94
14			3701F94
12		3258F92	3737F94
10		3301F92	3773F95
0		3498F93	3943F96
-10		3555F95	3987F98
-20		3753F96	4160F99
-30		3947F98	4232^ 1

High QNH **+130** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-40**
Wing A/I ON **-40**

LEVEL 2 CONTAM

Flaps **9**

OAT °C	-10T	+0	+10H
28			2987F97
26			3075F97
24			3163F97
22			3252F97
20			3359F97
18			3382F97
16			3393F98
14		2648F98	3404F98
12		2740F98	3415F98
10		2838F98	3424F99
0		3390F98	3488F 1
-10		3449F 0	3552F 2
-20		3510F 1	3616F 4
-30		3574F 3	3684F 6

High QNH **+50** per .10"
Low QNH **-370** per .10"

Engine A/I ON **-330**
Wing A/I ON **-330**

LEVEL 3 CONTAM

Flaps

OAT °C	-10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	809	Length	5519	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.33
Rwy Rev.		Program						Rules	FAA		**01 Oct 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1379'		**DT H166**	**1379'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.5	4482^29	4580^31	4612^31	4481^22	4580D31	4612D31	4658
46	87.7	4593^30	4692^32	4724^33	4590^23	4692D32	4724D33	4773
44	87.8	4688^32	4788^34	4822^34	4683^23	4788D33	4822D34	4858
42	87.6	4762^33	4865^35	4898^35	4756^23	4865D33	4898D35	4940
40	87.5	4787^33	4890^35	4924^36	4782^23	4890D34	4924D36	4958
38	87.2	4796^33	4901^35	4935^36	4791^24	4901D34	4935D36	4960
36	86.9	4797^33	4902^35	4937^36	4793^24	4902D35	4937D36	4962
34	86.6	4798^33	4903^35	4938^36	4794^25	4903D35	4938D36	4964
32	86.4	4798^33	4904^35	4939^36	4794^25	4904D35	4939D36	4966
30	86.1	4799^33	4905^35	4940^36	4795^25	4905D35	4940D36	4968
20	84.7	4800^33	4910^35	4946^36	4800^28	4910D35	4946D36	4976
10	83.2	4789^33	4902^35	4939^36	4789D30	4902D35	4939D36	4971
0	81.7	4789^33	4906^35	4944^36	4789D33	4906D35	4944D36	4983
-10	80.2	4783^33	4903^35	4943^36	4783D33	4903D35	4943D36	4986
-20	78.6	4771^33	4894^35	4936^36	4771D33	4894D35	4936D36	4983
-30	77.1	4757^33	4885^35	4928^36	4757D33	4885D35	4928D36	4980

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4494^29	4590^31	4622^31	4494^24	4590D31	4622D31	4658
46	91.0	4605^31	4703^32	4735^33	4603^24	4703D32	4735D33	4773
44	91.0	4702^32	4801^34	4834^34	4698^25	4801D34	4834D34	4858
42	90.8	4778^33	4878^35	4912^35	4774^25	4878D35	4912D36	4940
40	90.7	4804^34	4906^35	4939^36	4800^26	4906D35	4939D36	4958
38	90.4	4814^34	4917^35	4951^36	4810^26	4917D36	4951D36	4960
36	90.1	4815^34	4918^35	4952^36	4812^27	4918D36	4952D36	4962
34	89.8	4815^34	4919^35	4953^36	4813^27	4919D36	4953D36	4964
32	89.5	4816^34	4920^35	4955^36	4814^28	4920D36	4955D36	4966
30	89.3	4816^34	4921^35	4956^36	4815^28	4921D36	4956D36	4968
20	87.7	4817^34	4925^36	4961^36	4817D30	4925D36	4961D36	4976
10	86.2	4806^34	4917^35	4954^36	4806D33	4917D36	4954D36	4971
0	84.7	4806^33	4920^35	4958^36	4806D34	4920D36	4958D36	4983
-10	83.1	4799^33	4917^35	4957^36	4799D33	4917D35	4957D36	4986
-20	81.5	4787^33	4909^35	4950^36	4787D33	4909D35	4950D36	4983
-30	79.9	4772^33	4899^35	4942^36	4772D33	4899D35	4942D36	4980

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-170** per .10" Wing A/I ON **-850**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4628^37-37-46	4693C38-38-47	4693C38-38-47	4693C38-38-47
46	91.0	4744^39-39-48	4812C40-40-49	4812C40-40-49	4812C40-40-49
44	91.0	4846^40-40-49	4896C41-41-50	4896C41-41-50	4896C41-41-50
42	90.8	4926^42-42-51	4946C42-42-51	4946C42-42-51	4946C42-42-51
40	90.7	4950^42-42-51	4973C42-42-51	4973C42-42-51	4973C42-42-51
38	90.4	4962^42-42-51	4974C42-42-51	4974C42-42-51	4974C42-42-51
36	90.1	4963^42-42-51	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.8	4964^42-42-51	4978C42-42-51	4978C42-42-51	4978C42-42-51
32	89.5	4964^42-42-51	4980C42-42-51	4980C42-42-51	4980C42-42-51
30	89.3	4964^42-42-51	4982C42-42-51	4982C42-42-51	4982C42-42-51
20	87.7	4966^42-42-51	4991C43-43-52	4991C43-43-52	4991C43-43-52
10	86.2	4955^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.7	4954^42-42-51	4997C43-43-52	4997C43-43-52	4997C43-43-52
-10	83.1	4948^42-42-51	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.5	4936^42-42-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	79.9	4922^41-41-51	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-890**
Low QNH **-180** per .10" Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	379	Length	9856	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.63
Rwy Rev.		Program						Rules	FAA		**10 Jan 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4494^29	4590^31	4622^31	4488^29	4585^31	4617^31			
46	4605^31	4703^32	4735^33	4599^31	4697^32	4729^33			
44	4702^32	4801^34	4834^34	4696^32	4795^34	4828^34			
42	4778^33	4878^35	4912^35	4773^33	4874^35	4908^35			
40	4804^34	4906^35	4939^36	4799^33	4901^35	4935^36			
38	4814^34	4917^35	4951^36	4810^34	4913^35	4946^36			
36	4815^34	4918^35	4952^36	4811^34	4914^35	4948^36			
34	4815^34	4919^35	4953^36	4811^34	4915^35	4949^36			
32	4816^34	4920^35	4955^36	4811^34	4916^35	4950^36			
30	4816^34	4921^35	4956^36	4812^34	4917^35	4951^36			
20	4817^34	4925^36	4961^36	4812^34	4921^35	4956^36			
10	4806^34	4917^35	4954^36	4723^32	4833^34	4870^35			
0	4806^33	4920^35	4958^36	4720^32	4833^34	4871^35			
-10	4799^33	4917^35	4957^36	4713^32	4831^34	4870^35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4494^24	4590D31	4622D31	4488^24	4585D31	4617D31			
46	4603^24	4703D32	4735D33	4597^24	4697D32	4729D33			
44	4698^25	4801D34	4834D34	4693^25	4795D34	4828D34			
42	4774^25	4878D35	4912D36	4769^25	4874D35	4908D36			
40	4800^26	4906D35	4939D36	4795^26	4901D35	4935D36			
38	4810^26	4917D36	4951D36	4806^26	4913D35	4946D36			
36	4812^27	4918D36	4952D36	4808^27	4914D36	4948D36			
34	4813^27	4919D36	4953D36	4809^27	4915D36	4949D36			
32	4814^28	4920D36	4955D36	4809^28	4916D36	4950D36			
30	4815^28	4921D36	4956D36	4810^28	4917D36	4951D36			
20	4817D30	4925D36	4961D36	4812D30	4921D36	4956D36			
10	4806D33	4917D36	4954D36	4723D33	4833D34	4870D35			
0	4806D34	4920D36	4958D36	4720D32	4833D34	4871D35			
-10	4799D33	4917D35	4957D36	4713D32	4831D34	4870D35			
	High QNH +0 per .10" Low QNH -170 per .10"			High QNH +0 per .10" Low QNH -170 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4433F 3	4703F13	4798F17	4108F 9	4343F18	4427F21			
26	4445F 4	4716F14	4812F17	4120F 9	4354F19	4440F22			
24	4457F 4	4730F14	4826F17	4130F 9	4366F19	4452F22			
22	4469F 5	4744F15	4840F18	4141F10	4377F19	4465F22			
20	4482F 5	4757F15	4854F18	4152F10	4389F20	4478F23			
18	4492F 5	4771F15	4868F19	4162F10	4402F20	4490F23			
16	4504F 6	4785F16	4883F19	4172F11	4414F21	4504F24			
14	4516F 6	4798F16	4896F19	4184F11	4426F21	4516F24			
12	4527F 6	4811F17	4906^20	4194F12	4437F21	4528F24			
10	4539F 7	4824F17	4906^20	4204F12	4449F22	4541F25			
0	4607F 9	4872^19	4916^23	4260F14	4517F24	4613F27			
-10	4674F11	4876^22	4922^26	4315F16	4585F26	4685F29			
-20	4733^13	4875^25	4924^28	4369F18	4654F28	4760F31			
-30	4726^16	4873^27	4924^31	4428F20	4727F30	4835F33			
	High QNH +10 per .10" Low QNH -60 per .10"			High QNH +40 per .10" Low QNH -60 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -810 Wing A/I ON -810			Engine A/I ON -510 Wing A/I ON -510			Engine A/I ON Wing A/I ON		

Elevation	379	Length	9856	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.63
Rwy Rev.		Program						Rules	FAA		**10 Jan 19**

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SAN JOSE DEL CABO -SJD 34 *RT H360*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1379'		**RT H360**	**1379'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.5	4467^29	4566^30	4598^31	4465^23	4566D30	4598D31	4658
46	87.7	4577^30	4676^32	4709^32	4572^23	4676D32	4709D33	4773
44	87.8	4671^32	4772^33	4806^34	4665^23	4772D33	4806D34	4858
42	87.6	4745^33	4848^34	4882^35	4703F24	4848D33	4882D35	4940
40	87.5	4770^33	4873^35	4908^35	4730F24	4873D34	4908D35	4958
38	87.2	4779^33	4883^35	4919^35	4744F24	4883D34	4919D36	4960
36	86.9	4780^33	4885^35	4921^35	4757F25	4885D35	4921D36	4962
34	86.6	4781^33	4886^35	4922^36	4770F25	4886D35	4922D36	4964
32	86.4	4781^33	4887^35	4923^36	4775^25	4887D35	4923D36	4966
30	86.1	4781^33	4888^35	4924^36	4776^26	4888D35	4924D36	4968
20	84.7	4783^33	4893^35	4930^36	4781^28	4893D35	4930D36	4976
10	83.2	4772^33	4885^35	4924^36	4772D30	4885D35	4924D36	4971
0	81.7	4773^33	4889^35	4928^36	4773D33	4889D35	4928D36	4983
-10	80.2	4766^33	4886^35	4927^36	4766D33	4886D35	4927D36	4986
-20	78.6	4755^33	4879^35	4921^35	4755D33	4879D35	4921D36	4983
-30	77.1	4740^32	4869^35	4913^35	4740D33	4869D35	4913D35	4980

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-170** per .10" — Wing A/I ON **-830**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4480^29	4577^31	4609^31	4480D25	4577D31	4609D31	4658
46	91.0	4590^30	4689^32	4722^33	4588^25	4689D32	4722D33	4773
44	91.0	4686^32	4787^33	4820^34	4682^26	4787D34	4820D34	4858
42	90.8	4763^33	4864^35	4898^35	4757^26	4864D35	4898D35	4940
40	90.7	4788^33	4890^35	4925^36	4783^27	4890D35	4925D36	4958
38	90.4	4799^33	4902^35	4937^36	4794^27	4902D35	4937D36	4960
36	90.1	4800^33	4903^35	4938^36	4796^28	4903D35	4938D36	4962
34	89.8	4800^33	4904^35	4940^36	4797^28	4904D35	4940D36	4964
32	89.5	4801^33	4905^35	4941^36	4799^28	4905D35	4941D36	4966
30	89.3	4801^33	4906^35	4942^36	4800^29	4906D35	4942D36	4968
20	87.7	4802^33	4910^35	4947^36	4802D31	4910D35	4947D36	4976
10	86.2	4791^33	4903^35	4940^36	4791D33	4903D35	4940D36	4971
0	84.7	4791^33	4906^35	4945^36	4791D33	4906D35	4945D36	4983
-10	83.1	4784^33	4903^35	4944^36	4784D33	4903D35	4944D36	4986
-20	81.5	4772^33	4895^35	4937^36	4772D33	4895D35	4937D36	4983
-30	79.9	4758^33	4885^35	4928^36	4758D33	4885D35	4928D36	4980

High QNH **+0** per .10" — Engine A/I ON **-840**
Low QNH **-170** per .10" — Wing A/I ON **-840**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4544F36-36-45	4693C38-38-47	4693C38-38-47	4693C38-38-47
46	91.0	4626F37-37-46	4812C40-40-49	4812C40-40-49	4812C40-40-49
44	91.0	4696F38-38-47	4896C41-41-50	4896C41-41-50	4896C41-41-50
42	90.8	4763^33-33-42	4946C42-42-51	4946C42-42-51	4946C42-42-51
40	90.7	4788^33-33-43	4973C42-42-51	4973C42-42-51	4973C42-42-51
38	90.4	4805F39-39-49	4974C42-42-51	4974C42-42-51	4974C42-42-51
36	90.1	4816F40-40-49	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.8	4828F40-40-49	4978C42-42-51	4978C42-42-51	4978C42-42-51
32	89.5	4840F40-40-49	4980C42-42-51	4980C42-42-51	4980C42-42-51
30	89.3	4852F40-40-49	4982C42-42-51	4982C42-42-51	4982C42-42-51
20	87.7	4913F41-41-50	4991C43-43-52	4991C43-43-52	4991C43-43-52
10	86.2	4938^42-42-51	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.7	4938^42-42-51	4997C43-43-52	4997C43-43-52	4997C43-43-52
-10	83.1	4932^41-41-51	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.5	4920^41-41-50	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	79.9	4905^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-180** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	379	Length	9856	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.63
Rwy Rev.		Program						Rules	FAA		**10 Jan 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4480^29	4577^31	4609^31	4475^29	4571^30	4604^31			
46	4590^30	4689^32	4722^33	4584^30	4683^32	4716^33			
44	4686^32	4787^33	4820^34	4681^32	4781^33	4815^34			
42	4763^33	4864^35	4898^35	4758^33	4859^35	4894^35			
40	4788^33	4890^35	4925^36	4784^33	4886^35	4921^36			
38	4799^33	4902^35	4937^36	4794^33	4898^35	4932^36			
36	4800^33	4903^35	4938^36	4795^33	4899^35	4934^36			
34	4800^33	4904^35	4940^36	4796^33	4900^35	4935^36			
32	4801^33	4905^35	4941^36	4796^33	4901^35	4936^36			
30	4801^33	4906^35	4942^36	4796^33	4902^35	4937^36			
20	4802^33	4910^35	4947^36	4798^33	4906^35	4942^36			
10	4791^33	4903^35	4940^36	4708^32	4820^34	4857^35			
0	4791^33	4906^35	4945^36	4705^32	4820^34	4858^35			
-10	4784^33	4903^35	4944^36	4699^32	4817^34	4857^35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-840** Wing A/I ON **-840**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4480D25	4577D31	4609D31	4474^25	4571D31	4604D31			
46	4588^25	4689D32	4722D33	4582^25	4683D32	4716D33			
44	4682^26	4787D34	4820D34	4677^25	4781D34	4815D34			
42	4757^26	4864D35	4898D35	4752^26	4859D35	4894D35			
40	4783^27	4890D35	4925D36	4778^26	4886D35	4921D36			
38	4794^27	4902D35	4937D36	4790^27	4898D35	4932D36			
36	4796^28	4903D35	4938D36	4791^27	4899D35	4934D36			
34	4797^28	4904D35	4940D36	4793^28	4900D35	4935D36			
32	4799^28	4905D35	4941D36	4794^28	4901D35	4936D36			
30	4800^29	4906D35	4942D36	4795^29	4902D35	4937D36			
20	4802D31	4910D35	4947D36	4798D31	4906D35	4942D36			
10	4791D33	4903D35	4940D36	4708D32	4820D34	4857D35			
0	4791D33	4906D35	4945D36	4705D32	4820D34	4858D35			
-10	4784D33	4903D35	4944D36	4699D32	4817D34	4857D35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-840** Wing A/I ON **-840**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4316F 8	4579F17	4672F20	4025F12	4258F21	4344F24			
26	4327F 8	4592F18	4686F21	4034F12	4269F21	4357F24			
24	4340F 8	4605F18	4699F21	4045F12	4281F21	4369F24			
22	4351F 9	4618F18	4712F22	4054F13	4294F22	4383F25			
20	4361F 9	4631F19	4727F22	4064F13	4305F22	4396F25			
18	4372F 9	4644F19	4740F22	4074F13	4318F23	4409F25			
16	4384F10	4658F20	4755F23	4084F14	4330F23	4423F26			
14	4396F10	4670F20	4768F23	4093F14	4343F23	4436F26			
12	4407F11	4682F20	4781F24	4103F15	4353F24	4449F26			
10	4419F11	4695F21	4794F24	4112F15	4366F24	4462F27			
0	4484F13	4769F23	4869F26	4169F17	4435F26	4536F28			
-10	4545F15	4842F25	4906^28	4223F19	4504F28	4617F30			
-20	4609F17	4859^28	4911^31	4281F21	4575F29	4694F32			
-30	4676F19	4861^30	4915^34	4339F23	4668F31	4525F29			
	High QNH **+10** per .10" Low QNH **-60** per .10"			High QNH **+40** per .10" Low QNH **-80** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-740** Wing A/I ON **-740**			Engine A/I ON **-3600** Wing A/I ON **-3600**			Engine A/I ON Wing A/I ON		

Elevation	379	Length	9856	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.63
Rwy Rev.		Program						Rules	FAA		**10 Jan 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7035'		**RT H155**	**7035'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
36	89.0	4067^23	4149^24	4177^25
34	89.2	4144^24	4228^25	4256^26
32	89.5	4215^25	4306^27	4334^27
30	89.7	4286^26	4387^28	4415^28
28	89.8	4361^27	4469^29	4498^30
26	89.9	4436^28	4552^30	4581^31
24	90.0	4510F29	4633^31	4662^32
22	90.1	4550^30	4677^32	4707^32
20	90.2	4558^30	4680^32	4710^33
18	89.9	4563^30	4681^32	4711^33
16	89.6	4568^30	4682^32	4712^33
10	88.7	4581^30	4684^32	4715^33
0	87.1	4586^30	4680^32	4712^33
-10	85.5	4573^30	4670^32	4702^32
-20	83.9	4565^30	4666^32	4699^32
-30	82.2	4548^30	4653^32	4687^32

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4053^13	4149D22	4177D25	4233
4121^13	4228D23	4256D26	4312
4180F14	4306D23	4334D26	4390
4235F14	4387D23	4415D27	4471
4293F15	4468^24	4498D27	4555
4350F15	4549^24	4581D27	4640
4405F16	4629^24	4662^28	4724
4446F16	4672^25	4707^28	4764
4460F16	4677^25	4710D29	4770
4474F17	4679^26	4711D29	4772
4487F17	4680^26	4712D30	4773
4525F18	4684^28	4715D31	4777
4576^20	4680D30	4712D33	4779
4568^23	4670D32	4702D32	4771
4565D25	4666D32	4699D32	4773
4548D28	4653D32	4687D32	4765

High QNH **+100** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-4030** — Wing A/I ON **-4030**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
36	92.4	4078^23	4159^25	4186^25
34	92.7	4155^24	4238^26	4266^26
32	93.0	4233^25	4316^27	4344^27
30	93.2	4309^26	4397^28	4425^29
28	93.5	4385^28	4480^29	4509^30
26	93.8	4461^29	4563^30	4592^31
24	93.9	4538^30	4646^32	4675^32
22	93.8	4581^30	4691^32	4720^33
20	93.6	4596^31	4696^32	4725^33
18	93.3	4600^31	4697^32	4721^33
16	93.0	4605^31	4698^32	4728^33
10	92.0	4610^31	4700^32	4730^33
0	90.3	4603^31	4696^32	4727^33
-10	88.7	4589^30	4685^32	4717^33
-20	87.0	4582^30	4681^32	4714^33
-30	85.2	4565^30	4667^32	4701^32

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4071^14	4159D24	4186D25	4233
4145^15	4238D24	4266D26	4312
4212^15	4316D25	4344D27	4390
4280^16	4397D25	4425D28	4471
4352^16	4480D26	4509D29	4555
4420F16	4562^26	4592D29	4640
4481F17	4643^26	4675D30	4724
4527F18	4689^27	4720D30	4764
4555^18	4696^28	4725D31	4770
4562^19	4697D29	4721D32	4766
4569^19	4698D29	4728D32	4773
4587^20	4700D31	4730D33	4777
4597^23	4696D32	4727D33	4779
4587^25	4685D32	4717D33	4771
4582D28	4681D32	4714D33	4773
4565D30	4667D32	4701D32	4765

High QNH **+100** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-4070** — Wing A/I ON **-4070**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
36	92.4	4103F29-29-38	4236^32-32-40	4277^32-32-41	4290C33-33-41
34	92.7	4163F30-30-39	4309^33-33-41	4351^33-33-42	4370C34-34-42
32	93.0	4233^25-25-35	4380^34-34-42	4423^34-34-43	4448C35-35-43
30	93.2	4309^26-26-36	4453^35-35-43	4496^36-36-44	4526C36-36-45
28	93.5	4385^28-28-37	4529^36-36-45	4574^37-37-45	4612C37-37-46
26	93.8	4461^29-29-38	4606^37-37-46	4652^38-38-47	4697^38-38-47
24	93.9	4538^30-30-39	4685^38-38-47	4730^39-39-48	4776^40-40-48
22	93.8	4581^30-30-40	4729^39-39-48	4776^39-39-48	4822^40-40-49
20	93.6	4596^31-31-40	4746^39-39-48	4792^40-40-49	4833C40-40-49
18	93.3	4600^31-31-40	4751^39-39-48	4798^40-40-49	4835C40-40-49
16	93.0	4605^31-31-40	4757^39-39-48	4803^40-40-49	4836C40-40-49
10	92.0	4618F37-37-46	4773^39-39-48	4819^40-40-49	4841C41-41-49
0	90.3	4659^37-37-47	4796^40-40-49	4843^41-41-49	4848C41-41-50
-10	88.7	4670^38-38-47	4808^40-40-49	4839C40-40-49	4839C40-40-49
-20	87.0	4689^38-38-47	4819^40-40-49	4841C41-41-49	4841C41-41-49
-30	85.2	4701^38-38-47	4805^40-40-49	4836C40-40-49	4836C40-40-49

High QNH **+100** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-3500** — Wing A/I ON **-3500**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 6035 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope +0.08
Rwy Rev. Program Rules FAA **23 Feb 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4078^23	4159^25	4186^25	4072^23	4154^24	4181^25			
34	4155^24	4238^26	4266^26	4151^24	4233^26	4261^26			
32	4233^25	4316^27	4344^27	4229^25	4312^27	4340^27			
30	4309^26	4397^28	4425^29	4304^26	4393^28	4421^28			
28	4385^28	4480^29	4509^30	4380^27	4476^29	4504^30			
26	4461^29	4563^30	4592^31	4456^29	4559^30	4588^31			
24	4538^30	4646^32	4675^32	4533^30	4643^32	4672^32			
22	4581^30	4691^32	4720^33	4577^30	4689^32	4718^33			
20	4596^31	4696^32	4725^33	4592^30	4694^32	4723^33			
18	4600^31	4697^32	4721^33	4597^31	4695^32	4725^33			
16	4605^31	4698^32	4728^33	4601^31	4696^32	4726^33			
10	4610^31	4700^32	4730^33	4203^25	4292^26	4321^27			
0	4603^31	4696^32	4727^33	4534^30	4627^31	4658^32			
-10	4589^30	4685^32	4717^33	4526^29	4621^31	4652^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4071^14	4159D24	4186D25	4066^14	4154D24	4181D25			
34	4145^15	4238D24	4266D26	4140^15	4233D24	4261D26			
32	4212^15	4316D25	4344D27	4207^15	4312D25	4340D27			
30	4280^16	4397D25	4425D28	4275^15	4393D25	4421D28			
28	4352^16	4480D26	4509D29	4347^16	4476D25	4504D29			
26	4420F16	4562^26	4592D29	4412F16	4558^26	4588D29			
24	4481F17	4643^26	4675D30	4472F17	4640^26	4672D29			
22	4527F18	4689^27	4720D30	4519F17	4687^27	4718D30			
20	4555^18	4696^28	4725D31	4551^18	4694^28	4723D31			
18	4562^19	4697D29	4721D32	4558^19	4695D28	4725D32			
16	4569^19	4698D29	4728D32	4565^19	4696D29	4726D32			
10	4587^20	4700D31	4730D33	4203D23	4292D27	4321D27			
0	4597^23	4696D32	4727D33	4530^23	4627D31	4658D32			
-10	4587^25	4685D32	4717D33	4526D26	4621D31	4652D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3824F96	4045F 5	4121F 7	3540F 0	3729F 9	3794F12			
26	3883F96	4106F 5	4183F 8	3599F 1	3793F 9	3858F12			
24	3942F97	4168F 5	4246F 8	3660F 1	3859F10	3924F12			
22	3984F97	4213F 6	4293F 9	3708F 2	3911F10	3977F13			
20	4007F98	4240F 7	4321F 9	3740F 2	3946F11	4015F14			
18	4018F98	4253F 7	4335F10	3751F 3	3957F11	4026F14			
16	4030F98	4266F 7	4348F10	3760F 3	3968F12	4037F15			
14	4041F99	4276F 8	4361F11	3770F 3	3978F12	4048F15			
12	4052F99	4290F 8	4373F11	3782F 4	3989F12	4057F15			
10	4063F99	4302F 8	4387F11	3792F 4	4000F13	4069F16			
0	4117F 1	4364F10	4451F13	3841F 6	4051F15	4124F17			
-10	4175F 3	4429F12	4515F16	3894F 8	4107F17	4185F19			
-20	4235F 5	4497F15	4585F18	3943F 9	4164F19	4248F21			
-30	4297F 7	4562F17	4656F20	3991F11	4224F21	4311F23			
	High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1960** Wing A/I ON **-1960**			Engine A/I ON **-1850** Wing A/I ON **-1850**			Engine A/I ON Wing A/I ON		

Elevation 6035 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope +0.08

Rwy Rev. Program Rules FAA **23 Feb 18**

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SAN LUIS POTOSI -SLP 32 *RT H005*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		7035'		**RT H005**	**7035'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	89.0	4068^23	4151^24	4179^25	4061^12	4151D22	4179D25	4233
34	89.2	4146^24	4230^26	4258^26	4123F12	4230D22	4258D25	4312
32	89.5	4224^25	4308^27	4336^27	4178F13	4308D23	4336D26	4390
30	89.7	4304^26	4389^28	4417^28	4232F13	4388^23	4417D26	4471
28	89.8	4386^28	4471^29	4500^30	4289F14	4469^23	4500D26	4555
26	89.9	4453F28	4554^30	4583^31	4346F14	4551^24	4583D27	4640
24	90.0	4512F29	4635^31	4664^32	4401F15	4631^24	4663^27	4724
22	90.1	4557F30	4679^32	4709^33	4442F15	4675^24	4708^28	4764
20	90.2	4570F30	4682^32	4712^33	4456F16	4678^25	4711^28	4770
18	89.9	4582F30	4683^32	4713^33	4469F16	4680^25	4713D29	4772
16	89.6	4594F30	4684^32	4714^33	4483F16	4681^26	4714D29	4773
10	88.7	4594^30	4686^32	4717^33	4524F18	4685^27	4717D30	4777
0	87.1	4588^30	4682^32	4714^33	4579^19	4682D30	4714D33	4779
-10	85.5	4575^30	4672^32	4704^32	4570^22	4672D32	4704D33	4771
-20	83.9	4567^30	4668^32	4701^32	4567^24	4668D32	4701D32	4773
-30	82.2	4550^30	4654^32	4689^32	4550D27	4654D32	4689D32	4765

High QNH **+100** per .10" Engine A/I ON **-4040**
Low QNH **-170** per .10" Wing A/I ON **-4040**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
36	92.4	4079^23	4161^25	4188^25	4072^14	4161D23	4188D25	4233
34	92.7	4157^24	4240^26	4267^26	4149^14	4240D24	4267D26	4312
32	93.0	4235^25	4318^27	4346^27	4225^14	4318D24	4346D27	4390
30	93.2	4315^27	4399^28	4427^29	4299F15	4399D25	4427D28	4471
28	93.5	4397^28	4482^29	4510^30	4358F15	4481^25	4510D28	4555
26	93.8	4479^29	4565^30	4594^31	4416F16	4563^25	4594D29	4640
24	93.9	4561^30	4647^32	4676^32	4477F16	4644^26	4676D29	4724
22	93.8	4605^31	4693^32	4721^33	4525F17	4690^27	4721D30	4764
20	93.6	4610^31	4698^32	4727^33	4556F18	4697^28	4727D31	4770
18	93.3	4611^31	4699^32	4728^33	4571F18	4699^28	4728D31	4772
16	93.0	4611^31	4700^32	4729^33	4585F18	4700D28	4729D32	4773
10	92.0	4612^31	4702^32	4732^33	4601^20	4702D30	4732D33	4777
0	90.3	4605^31	4698^32	4729^33	4598^22	4698D32	4729D33	4779
-10	88.7	4591^30	4687^32	4719^33	4588^25	4687D32	4719D33	4771
-20	87.0	4584^30	4683^32	4716^33	4584D27	4683D32	4716D33	4773
-30	85.2	4567^30	4669^32	4703^32	4567D30	4669D32	4703D33	4765

High QNH **+100** per .10" Engine A/I ON **-4070**
Low QNH **-170** per .10" Wing A/I ON **-4070**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
36	92.4	4105F29-29-38	4281^32-32-41	4290C33-33-41	4290C33-33-41
34	92.7	4165F30-30-39	4363^34-34-42	4370C34-34-42	4370C34-34-42
32	93.0	4235^25-25-35	4440F35-35-43	4448C35-35-43	4448C35-35-43
30	93.2	4315^27-27-36	4498F36-36-44	4526C36-36-45	4526C36-36-45
28	93.5	4397^28-28-37	4561F36-36-45	4612C37-37-46	4612C37-37-46
26	93.8	4479^29-29-38	4623F37-37-46	4698C39-39-47	4698C39-39-47
24	93.9	4561^30-30-40	4689F38-38-47	4768F39-39-48	4784C40-40-49
22	93.8	4605^31-31-40	4746F39-39-48	4826F40-40-49	4828C40-40-49
20	93.6	4610^31-31-40	4789F40-40-49	4833C40-40-49	4833C40-40-49
18	93.3	4611^31-31-40	4803F40-40-49	4835C40-40-49	4835C40-40-49
16	93.0	4611^31-31-40	4817F40-40-49	4836C40-40-49	4836C40-40-49
10	92.0	4619F37-37-46	4840^40-40-49	4841C41-41-49	4841C41-41-49
0	90.3	4681F38-38-47	4837^40-40-49	4848C41-41-50	4848C41-41-50
-10	88.7	4733^39-39-48	4825^40-40-49	4839C40-40-49	4839C40-40-49
-20	87.0	4726^39-39-48	4821^40-40-49	4841C41-41-49	4841C41-41-49
-30	85.2	4708^38-38-47	4807^40-40-49	4836C40-40-49	4836C40-40-49

High QNH **+100** per .10" Engine A/I ON **-4160**
Low QNH **-170** per .10" Wing A/I ON **-4160**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	6035	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.08
Rwy Rev.		Program						Rules	FAA		**12 May 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4079^23	4161^25	4188^25	4074^23	4155^24	4183^25			
34	4157^24	4240^26	4267^26	4153^24	4235^26	4262^26			
32	4235^25	4318^27	4346^27	4231^25	4314^27	4342^27			
30	4315^27	4399^28	4427^29	4311^26	4395^28	4423^29			
28	4397^28	4482^29	4510^30	4393^28	4477^29	4506^30			
26	4479^29	4565^30	4594^31	4475^29	4561^30	4589^31			
24	4561^30	4647^32	4676^32	4558^30	4645^32	4674^32			
22	4605^31	4693^32	4721^33	4604^31	4691^32	4720^33			
20	4610^31	4698^32	4727^33	4608^31	4696^32	4725^33			
18	4611^31	4699^32	4728^33	4609^31	4697^32	4727^33			
16	4611^31	4700^32	4729^33	4609^31	4698^32	4727^33			
10	4612^31	4702^32	4732^33	4205^25	4293^27	4322^27			
0	4605^31	4698^32	4729^33	4536^30	4624^31	4660^32			
-10	4591^30	4687^32	4719^33	4527^29	4622^31	4654^32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
36	4072^14	4161D23	4188D25	4067^13	4155D23	4183D25			
34	4149^14	4240D24	4267D26	4145^14	4235D24	4262D26			
32	4225^14	4318D24	4346D27	4221^14	4314D24	4342D27			
30	4299F15	4399D25	4427D28	4291F15	4395D24	4423D28			
28	4358F15	4481^25	4510D28	4350F15	4477^25	4506D28			
26	4416F16	4563^25	4594D29	4408F16	4559^25	4589D28			
24	4477F16	4644^26	4676D29	4468F16	4642^26	4674D29			
22	4525F17	4690^27	4721D30	4517F17	4688^26	4720D30			
20	4556F18	4697^28	4727D31	4549F18	4695^27	4725D31			
18	4571F18	4699^28	4728D31	4563F18	4697^28	4727D31			
16	4585F18	4700D28	4729D32	4577F18	4698D28	4727D32			
10	4601^20	4702D30	4732D33	4205D22	4293D27	4322D27			
0	4598^22	4698D32	4729D33	4531^22	4624D31	4660D32			
-10	4588^25	4687D32	4719D33	4527^25	4622D31	4654D32			
	High QNH **+100** per .10" Low QNH **-170** per .10"			High QNH **+100** per .10" Low QNH **-210** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-4070** Wing A/I ON **-4070**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3820F95	4040F 4	4116F 7	3526F 0	3718F 8	3783F11			
26	3878F95	4100F 4	4178F 7	3586F 0	3781F 8	3847F11			
24	3937F96	4161F 4	4239F 7	3647F 0	3845F 9	3913F12			
22	3978F96	4206F 5	4287F 8	3694F 1	3899F10	3966F12			
20	4001F97	4233F 6	4314F 9	3725F 2	3934F10	4002F13			
18	4013F97	4246F 6	4327F 9	3736F 2	3945F11	4014F13			
16	4024F97	4258F 6	4340F 9	3746F 2	3955F11	4024F14			
14	4034F98	4270F 7	4352F10	3756F 3	3966F11	4035F14			
12	4046F98	4284F 7	4366F10	3766F 3	3977F12	4044F14			
10	4057F98	4294F 7	4379F10	3777F 3	3987F12	4056F15			
0	4109F 0	4356F 9	4443F12	3824F 5	4038F14	4112F17			
-10	4168F 2	4420F11	4509F15	3878F 7	4093F16	4172F19			
-20	4227F 4	4489F14	4578F17	3931F 9	4151F18	4235F21			
-30	4289F 6	4555F16	4649F19	3978F11	4212F20	4298F23			
	High QNH **+110** per .10" Low QNH **-160** per .10"			High QNH **+100** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-1990** Wing A/I ON **-1990**			Engine A/I ON **-1890** Wing A/I ON **-1890**			Engine A/I ON Wing A/I ON		

Elevation 6035 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope -0.08

Rwy Rev. Program Rules FAA **12 May 16**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1080'		**DT H141**	**1080'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4403F27	4627^31	4660^32
46	87.7	4480F28	4736F33	4773^33
44	87.6	4527F29	4788F33	4860^35
42	87.4	4547F29	4808F34	4897F35
40	87.2	4564F29	4827F34	4917F35
38	86.9	4575F30	4839F34	4928^36
36	86.6	4587F30	4851F34	4930^36
34	86.3	4598F30	4863F35	4932^36
32	86.1	4610F30	4876F35	4933^36
30	85.8	4622F30	4886F35	4934^36
20	84.4	4683F31	4903^35	4939^36
10	82.9	4741F32	4895^35	4933^36
0	81.4	4782^33	4899^35	4939^36
-10	79.9	4776^33	4897^35	4938^36
-20	78.4	4764^33	4889^35	4931^36
-30	76.8	4750^33	4879^35	4923^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4325F15	4620F24	4660^27	4713
46	87.7	4398F15	4698F25	4772^28	4832
44	87.6	4444F16	4748F25	4853F28	4894
42	87.4	4464F16	4769F25	4875F28	4946
40	87.2	4482F16	4789F26	4895F29	4959
38	86.9	4495F17	4802F26	4909F29	4961
36	86.6	4507F17	4816F26	4923F29	4962
34	86.3	4520F17	4830F27	4930^30	4964
32	86.1	4533F18	4844F27	4932^30	4966
30	85.8	4546F18	4858F27	4933^31	4968
20	84.4	4611F20	4901^29	4939D33	4976
10	82.9	4679F22	4895D32	4933D35	4972
0	81.4	4751F23	4899D34	4939D36	4984
-10	79.9	4773^26	4897D35	4938D36	4987
-20	78.4	4764D28	4889D35	4931D36	4985
-30	76.8	4750D31	4879D35	4923D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-160** per .10" — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4505F29	4638^31	4670^32
46	90.9	4588F30	4752^33	4785^34
44	90.8	4652F31	4839^34	4873^35
42	90.6	4695F32	4897^35	4932^36
40	90.3	4713F32	4907^35	4942^36
38	90.0	4726F32	4910^35	4945^36
36	89.7	4737F32	4912^35	4946^36
34	89.5	4748F33	4913^35	4948^36
32	89.2	4760F33	4914^35	4949^36
30	88.9	4772F33	4915^35	4950^36
20	87.4	4810^34	4919^35	4955^36
10	85.9	4798^33	4910^35	4949^36
0	84.3	4799^33	4915^35	4954^36
-10	82.8	4793^33	4912^35	4952^36
-20	81.2	4780^33	4904^35	4946^36
-30	79.6	4765^33	4894^35	4937^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4400F16	4636^26	4670D29	4713
46	90.9	4475F17	4748^26	4785D30	4832
44	90.8	4531F17	4834^27	4873^30	4894
42	90.6	4568F18	4888F27	4930^31	4946
40	90.3	4587F18	4902^28	4940^31	4959
38	90.0	4599F19	4906^28	4945^32	4961
36	89.7	4612F19	4907^29	4946D32	4962
34	89.5	4625F19	4909^29	4948D33	4964
32	89.2	4639F20	4911^30	4949D33	4966
30	88.9	4653F20	4913^30	4950D34	4968
20	87.4	4723F22	4919D32	4955D36	4976
10	85.9	4791^24	4910D35	4949D36	4972
0	84.3	4795^26	4915D35	4954D36	4984
-10	82.8	4792^29	4912D35	4952D36	4987
-20	81.2	4780D31	4904D35	4946D36	4985
-30	79.6	4765D33	4894D35	4937D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4505F29-29-39	4638^31-31-41	4675F38-38-47	4747C39-39-48
46	90.9	4588F30-30-40	4752^33-33-42	4785^34-34-43	4846F40-40-49
44	90.8	4652F31-31-41	4839^34-34-43	4873^35-35-44	4911F41-41-50
42	90.6	4695F32-32-41	4897^35-35-44	4932^36-36-45	4959F42-42-51
40	90.3	4713F32-32-42	4907^35-35-44	4942^36-36-45	4974C42-42-51
38	90.0	4726F32-32-42	4910^35-35-44	4945^36-36-45	4975C42-42-51
36	89.7	4737F32-32-42	4912^35-35-44	4946^36-36-45	4976C42-42-51
34	89.5	4748F33-33-42	4913^35-35-45	4948^36-36-45	4977C42-42-51
32	89.2	4760F33-33-42	4914^35-35-45	4949^36-36-45	4979C42-42-51
30	88.9	4772F33-33-42	4915^35-35-45	4953F42-42-51	4981C42-42-51
20	87.4	4810^34-34-43	4928F41-41-51	4990C43-43-51	4990C43-43-51
10	85.9	4798^33-33-43	4986C42-42-51	4986C42-42-51	4986C42-42-51
0	84.3	4799^33-33-43	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.8	4850F40-40-49	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.2	4913F41-41-50	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4914^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	80	Length	8366	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.07
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4505F29	4638^31	4670^32
46	4588F30	4752^33	4785^34
44	4652F31	4839^34	4873^35
42	4695F32	4897^35	4932^36
40	4713F32	4907^35	4942^36
38	4726F32	4910^35	4945^36
36	4737F32	4912^35	4946^36
34	4748F33	4913^35	4948^36
32	4760F33	4914^35	4949^36
30	4772F33	4915^35	4950^36
20	4810^34	4919^35	4955^36
10	4798^33	4910^35	4949^36
0	4799^33	4915^35	4954^36
-10	4793^33	4912^35	4952^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4495F29	4632^31	4665^32
46	4577F30	4746^33	4779^33
44	4640F31	4834^34	4868^35
42	4684F32	4893^35	4927^36
40	4702F32	4902^35	4937^36
38	4715F32	4906^35	4941^36
36	4726F32	4907^35	4942^36
34	4738F32	4908^35	4944^36
32	4749F33	4909^35	4945^36
30	4761F33	4910^35	4946^36
20	4805^34	4915^35	4951^36
10	4714^32	4826^34	4863^35
0	4714^32	4828^34	4867^35
-10	4706^32	4825^34	4864^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4400F16	4636^26	4670D29
46	4475F17	4748^26	4785D30
44	4531F17	4834^27	4873^30
42	4568F18	4888F27	4930^31
40	4587F18	4902^28	4940^31
38	4599F19	4906^28	4945^32
36	4612F19	4907^29	4946D32
34	4625F19	4909^29	4948D33
32	4639F20	4911^30	4949D33
30	4653F20	4913^30	4950D34
20	4723F22	4919D32	4955D36
10	4791^24	4910D35	4949D36
0	4795^26	4915D35	4954D36
-10	4792^29	4912D35	4952D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4392F16	4631^26	4665D29
46	4467F16	4742^26	4779D30
44	4522F17	4829^27	4867^30
42	4560F18	4879F27	4925^31
40	4578F18	4897^28	4936^31
38	4593F18	4901^28	4940^32
36	4604F19	4903^29	4942D32
34	4618F19	4905^29	4944D32
32	4631F19	4907^29	4945D33
30	4645F20	4908^30	4946D33
20	4715F22	4915D32	4951D36
10	4709^24	4826D34	4863D35
0	4712^26	4828D34	4867D35
-10	4706D29	4825D34	4864D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4052F98	4311F 8	4406F11
26	4063F98	4324F 8	4419F11
24	4073F98	4336F 8	4432F12
22	4085F99	4349F 9	4445F12
20	4095F99	4361F 9	4456F13
18	4105F99	4373F10	4469F13
16	4115F 0	4385F10	4483F13
14	4125F 0	4397F10	4496F14
12	4135F 1	4410F11	4509F14
10	4146F 1	4423F11	4522F15
0	4206F 3	4492F13	4597F17
-10	4264F 5	4563F15	4671F19
-20	4327F 7	4636F18	4747F21
-30	4389F 9	4710F20	4826F23

High QNH **+80** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-460**
Wing A/I ON **-460**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3619F 3	4032F11	4196F13
26	3632F 3	4050F11	4214F14
24	3645F 3	4067F12	4233F14
22	3657F 4	4087F12	4252F14
20	3668F 4	4107F12	4274F15
18	3682F 4	4124F12	4287^15
16	3692F 5	4143F13	4285^15
14	3707F 5	4161F13	4283^15
12	3707F 5	4182F13	4280^15
10	3737F 5	4192F13	4280^15
0	3819F 7	4242^14	4286^15
-10	3900F 9	4238^14	4283^15
-20	3981F10	4231^14	4277^15
-30	4081^12	4221^14	4269^15

High QNH **+10** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-710**
Wing A/I ON **-710**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	80	Length	8366	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.07
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1080'		**DT H321**	**1080'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4326^26	4480^29	4533^30
46	87.7	4414^27	4573^30	4627^31
44	87.6	4466^28	4627^31	4683^32
42	87.4	4486^28	4649^31	4704^32
40	87.2	4503^28	4665^31	4721^32
38	86.9	4510^28	4673^31	4729^32
36	86.6	4517^29	4680^31	4737^32
34	86.3	4525^29	4688^32	4744^33
32	86.1	4533^29	4696^32	4752^33
30	85.8	4541^29	4704^32	4761^33
20	84.4	4581^30	4744^32	4800^33
10	82.9	4615^30	4778^33	4834^34
0	81.4	4656^31	4818^34	4872^35
-10	79.9	4685^31	4840^34	4894^35
-20	78.4	4702^32	4856^34	4910^35
-30	76.8	4716^32	4872^35	4921^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4289^15	4480D25	4533D28	4713
46	87.7	4371^15	4573D25	4627D28	4832
44	87.6	4421^16	4627D26	4683D29	4894
42	87.4	4441^16	4649D26	4704D29	4946
40	87.2	4457^17	4665D26	4721D30	4959
38	86.9	4466^17	4673D27	4729D30	4961
36	86.6	4476^17	4680D27	4737D30	4962
34	86.3	4486^18	4688D28	4744D31	4964
32	86.1	4495^18	4696D28	4752D31	4966
30	85.8	4505^18	4704D28	4761D31	4968
20	84.4	4554^20	4744D30	4800D33	4976
10	82.9	4599^22	4778D32	4834D35	4972
0	81.4	4650^24	4818D34	4872D35	4984
-10	79.9	4685D26	4840D35	4894D35	4987
-20	78.4	4702D29	4856D35	4910D36	4985
-30	76.8	4716D31	4872D35	4921D36	4983

High QNH **+20** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4380^27	4529^30	4580^30
46	90.9	4471^28	4626^31	4679^32
44	90.8	4531^29	4687^32	4741^33
42	90.6	4563^29	4719^32	4773^33
40	90.3	4580^30	4736^32	4790^33
38	90.0	4588^30	4744^33	4798^33
36	89.7	4595^30	4752^33	4806^34
34	89.5	4602^30	4759^33	4813^34
32	89.2	4610^30	4767^33	4820^34
30	88.9	4618^30	4774^33	4828^34
20	87.4	4654^31	4811^34	4862^34
10	85.9	4677^31	4826^34	4877^35
0	84.3	4703^32	4853^34	4904^35
-10	82.8	4722^32	4873^35	4925^35
-20	81.2	4736^32	4887^35	4940^36
-30	79.6	4749^33	4892^35	4936^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4338^16	4529D26	4580D30	4713
46	90.9	4422^17	4626D27	4679D30	4832
44	90.8	4479^18	4687D28	4741D31	4894
42	90.6	4509^18	4719D28	4773D32	4946
40	90.3	4527^19	4736D29	4790D32	4959
38	90.0	4537^19	4744D29	4798D32	4961
36	89.7	4547^19	4752D30	4806D33	4962
34	89.5	4556^20	4759D30	4813D33	4964
32	89.2	4566^20	4767D30	4820D34	4966
30	88.9	4576^21	4774D31	4828D34	4968
20	87.4	4626^22	4811D33	4862D35	4976
10	85.9	4668^24	4826D34	4877D35	4972
0	84.3	4703D27	4853D35	4904D36	4984
-10	82.8	4722D29	4873D35	4925D36	4987
-20	81.2	4736D31	4887D35	4940D36	4985
-30	79.6	4749D33	4892D35	4936D36	4983

High QNH **+0** per .10" Engine A/I ON **-760**
Low QNH **-160** per .10" Wing A/I ON **-760**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4380^27-27-37	4529^30-30-39	4580^30-30-40	4632^31-31-40
46	90.9	4471^28-28-38	4626^31-31-40	4679^32-32-41	4733^33-33-42
44	90.8	4531^29-29-39	4687^32-32-41	4741^33-33-42	4796^34-34-43
42	90.6	4563^29-29-39	4719^32-32-42	4773^33-33-42	4828^34-34-43
40	90.3	4580^30-30-40	4736^32-32-42	4790^33-33-43	4845^34-34-44
38	90.0	4588^30-30-40	4744^33-33-42	4798^33-33-43	4853^34-34-44
36	89.7	4595^30-30-40	4752^33-33-42	4806^34-34-43	4860^34-34-44
34	89.5	4602^30-30-40	4759^33-33-42	4813^34-34-43	4868^35-35-44
32	89.2	4610^30-30-40	4767^33-33-42	4820^34-34-43	4875^35-35-44
30	88.9	4618^30-30-40	4774^33-33-43	4828^34-34-43	4883^35-35-44
20	87.4	4654^31-31-41	4811^34-34-43	4862^34-34-44	4913^35-35-45
10	85.9	4677^31-31-41	4826^34-34-43	4877^35-35-44	4929^36-36-45
0	84.3	4703^32-32-41	4853^34-34-44	4904^35-35-44	4956^36-36-45
-10	82.8	4722^32-32-42	4877^40-40-50	4934^42-42-51	4993^43-43-52
-20	81.2	4747^38-38-48	4910^41-41-50	4965^42-42-51	5000C43-43-52
-30	79.6	4770^39-39-48	4928^41-41-51	4982^42-42-51	4996C43-43-52

High QNH **+30** per .10" Engine A/I ON **-710**
Low QNH **-160** per .10" Wing A/I ON **-710**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	80	Length	8366	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.07
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4380^27	4529^30	4580^30	4372^27	4522^29	4574^30			
46	4471^28	4626^31	4679^32	4464^28	4618^31	4671^32			
44	4531^29	4687^32	4741^33	4523^29	4680^32	4734^32			
42	4563^29	4719^32	4773^33	4556^29	4712^32	4767^33			
40	4580^30	4736^32	4790^33	4572^30	4729^32	4783^33			
38	4588^30	4744^33	4798^33	4581^30	4738^32	4791^33			
36	4595^30	4752^33	4806^34	4588^30	4745^33	4799^33			
34	4602^30	4759^33	4813^34	4596^30	4752^33	4806^34			
32	4610^30	4767^33	4820^34	4603^30	4760^33	4814^34			
30	4618^30	4774^33	4828^34	4611^30	4768^33	4822^34			
20	4654^31	4811^34	4862^34	4649^31	4805^34	4856^34			
10	4677^31	4826^34	4877^35	4609^30	4754^33	4804^34			
0	4703^32	4853^34	4904^35	4634^31	4781^33	4832^34			
-10	4722^32	4873^35	4925^35	4648^31	4796^34	4847^34			
	High QNH **+30** per .10" Low QNH **-160** per .10"			High QNH **+30** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-760** Wing A/I ON **-760**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4338^16	4529D26	4580D30	4331^16	4522D26	4574D30			
46	4422^17	4626D27	4679D30	4415^17	4618D27	4671D30			
44	4479^18	4687D28	4741D31	4471^17	4680D28	4734D31			
42	4509^18	4719D28	4773D32	4502^18	4712D28	4767D32			
40	4527^19	4736D29	4790D32	4520^19	4729D29	4783D32			
38	4537^19	4744D29	4798D32	4531^19	4738D29	4791D32			
36	4547^19	4752D30	4806D33	4540^19	4745D29	4799D33			
34	4556^20	4759D30	4813D33	4550^20	4752D30	4806D33			
32	4566^20	4767D30	4820D34	4559^20	4760D30	4814D33			
30	4576^21	4774D31	4828D34	4570^20	4768D31	4822D34			
20	4626^22	4811D33	4862D35	4620^22	4805D33	4856D35			
10	4668^24	4826D34	4877D35	4606^25	4754D33	4804D34			
0	4703D27	4853D35	4904D36	4634D27	4781D34	4832D35			
-10	4722D29	4873D35	4925D36	4648D29	4796D34	4847D35			
	High QNH **+30** per .10" Low QNH **-160** per .10"			High QNH **+30** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-760** Wing A/I ON **-760**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4040F98	4299F 8	4394F12	3609F 3	4040F11	4204F14			
26	4050F98	4311F 9	4407F12	3621F 3	4060F11	4223F14			
24	4062F99	4324F 9	4420F12	3634F 4	4075F12	4242F14			
22	4072F99	4336F 9	4432F13	3646F 4	4093F12	4261F14			
20	4083F 0	4349F10	4446F13	3658F 4	4113F12	4281F15			
18	4091F 0	4361F10	4457F13	3670F 5	4133F13	4285^15			
16	4102F 0	4373F10	4470F14	3681F 5	4151F13	4285^15			
14	4112F 1	4385F11	4484F14	3695F 5	4169F13	4282^15			
12	4123F 1	4397F11	4497F15	3709F 6	4191F13	4279^15			
10	4133F 1	4410F12	4510F15	3725F 6	4211F14	4279^15			
0	4194F 3	4480F14	4579^17	3809F 7	4241^14	4284^15			
-10	4252F 5	4550F16	4638^19	3887F 9	4237^14	4282^15			
-20	4314F 7	4611^18	4698^22	3987F10	4230^14	4276^15			
-30	4376F10	4667^21	4756^24	4080^12	4220^14	4268^15			
	High QNH **+70** per .10" Low QNH **-60** per .10"			High QNH **+10** per .10" Low QNH **-90** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-500** Wing A/I ON **-500**			Engine A/I ON **-720** Wing A/I ON **-720**			Engine A/I ON Wing A/I ON		

Elevation	80	Length	8366	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.07
Rwy Rev.		Program						Rules	FAA		**23 Aug 18**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1097'		**RT H230**	**1097'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	3849F17	4083F21	4167F23
46	87.7	3918F18	4155F22	4240F24
44	87.6	3961F18	4200F23	4286F24
42	87.4	3978F18	4219F23	4305F25
40	87.2	3994F19	4236F23	4323F25
38	86.9	4002F19	4246F24	4333F25
36	86.6	4011F19	4257F24	4344F25
34	86.4	4020F19	4267F24	4355F26
32	86.1	4030F19	4278F24	4367F26
30	85.8	4040F20	4289F24	4378F26
20	84.4	4090F21	4346F25	4437F27
10	82.9	4139F22	4403F26	4497F28
0	81.4	4194F23	4465F28	4552^29
-10	79.9	4246F23	4525F29	4598^30
-20	78.4	4301F25	4584F30	4642^31
-30	76.8	4357F26	4627^30	4685^31

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	3797F 3	4072F13	4167D16	4710
46	87.7	3862F 4	4139F14	4238F17	4829
44	87.6	3903F 4	4183F14	4283F17	4892
42	87.4	3921F 4	4203F14	4303F18	4946
40	87.2	3938F 5	4221F15	4322F18	4959
38	86.9	3949F 5	4233F15	4333D18	4961
36	86.6	3959F 5	4244F15	4344D19	4962
34	86.4	3969F 6	4256F16	4355D19	4964
32	86.1	3980F 6	4269F16	4367D19	4966
30	85.8	3991F 6	4281F16	4378D20	4968
20	84.4	4046F 8	4345F18	4437D21	4976
10	82.9	4102F10	4403D20	4497D23	4972
0	81.4	4164F12	4465D22	4552D25	4984
-10	79.9	4225F13	4525D24	4598D27	4987
-20	78.4	4287F15	4584D26	4642D29	4985
-30	76.8	4353F17	4627D28	4685D31	4983

High QNH **+60** per .10" Engine A/I ON **-490**
Low QNH **-140** per .10" Wing A/I ON **-490**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	3929F18	4170F23	4256F25
46	90.9	4002F19	4245F24	4332F26
44	90.8	4056F20	4302F25	4390F26
42	90.6	4092F21	4342F25	4431F27
40	90.3	4108F21	4359F26	4448F27
38	90.0	4119F21	4371F26	4462F28
36	89.8	4129F21	4382F26	4473F28
34	89.5	4138F22	4393F26	4484F28
32	89.2	4148F22	4405F26	4491^28
30	88.9	4158F22	4416F27	4498^28
20	87.4	4210F23	4475F28	4538^29
10	85.9	4261F24	4527^29	4579^30
0	84.3	4319F25	4573^29	4628^30
-10	82.8	4374F26	4617^30	4673^31
-20	81.2	4431F27	4658^31	4715^32
-30	79.6	4489F28	4698^32	4754^33

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	3855F 4	4140F14	4242F18	4710
46	90.9	3921F 5	4210F15	4314F18	4829
44	90.8	3970F 5	4263F16	4367F19	4892
42	90.6	4000F 6	4298F16	4404F20	4946
40	90.3	4017F 6	4316F17	4423F20	4959
38	90.0	4029F 7	4330F17	4438F20	4961
36	89.8	4040F 7	4343F17	4451F21	4962
34	89.5	4051F 7	4355F18	4464F21	4964
32	89.2	4063F 8	4368F18	4478F21	4966
30	88.9	4073F 8	4382F18	4487^22	4968
20	87.4	4132F10	4449F20	4538D24	4976
10	85.9	4191F12	4518F22	4579D25	4972
0	84.3	4255F13	4573^24	4628D27	4984
-10	82.8	4321F15	4617D26	4673D30	4987
-20	81.2	4389F17	4658D28	4715D32	4985
-30	79.6	4460F19	4698D30	4754D34	4983

High QNH **+60** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	3929F18-18-30	4170F23-23-34	4256F25-25-35	4309^26-26-36
46	90.9	4002F19-19-31	4245F24-24-35	4332F26-26-36	4398^27-27-37
44	90.8	4056F20-20-32	4302F25-25-36	4390F26-26-37	4456^28-28-38
42	90.6	4092F21-21-32	4342F25-25-36	4431F27-27-37	4485^28-28-38
40	90.3	4108F21-21-33	4359F26-26-36	4448F27-27-38	4501^28-28-39
38	90.0	4119F21-21-33	4371F26-26-37	4462F28-28-38	4511^28-28-39
36	89.8	4129F21-21-33	4382F26-26-37	4473F28-28-38	4520^29-29-39
34	89.5	4138F22-22-33	4393F26-26-37	4484F28-28-38	4529^29-29-39
32	89.2	4148F22-22-33	4405F26-26-37	4491^28-28-38	4538^29-29-39
30	88.9	4158F22-22-33	4416F27-27-37	4498^28-28-38	4548^29-29-39
20	87.4	4210F23-23-34	4475F28-28-38	4538^29-29-39	4594^30-30-40
10	85.9	4261F24-24-35	4527^29-29-39	4579^30-30-40	4636^31-31-41
0	84.3	4319F25-25-36	4573^29-29-40	4628^30-30-40	4686^31-31-41
-10	82.8	4374F26-26-37	4617^30-30-40	4673^31-31-41	4731^32-32-42
-20	81.2	4431F27-27-37	4658^31-31-41	4715^32-32-42	4773^33-33-42
-30	79.6	4489F28-28-38	4698^32-32-41	4754^33-33-42	4814^34-34-43

High QNH **+60** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	97	Length	6562	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.35
Rwy Rev.		Program						Rules	FAA		**31 Aug 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3929F18	4170F23	4256F25	3921F18	4162F23	4247F24			
46	4002F19	4245F24	4332F26	3993F19	4236F24	4323F25			
44	4056F20	4302F25	4390F26	4047F20	4293F25	4380F26			
42	4092F21	4342F25	4431F27	4083F21	4332F25	4421F27			
40	4108F21	4359F26	4448F27	4099F21	4349F25	4439F27			
38	4119F21	4371F26	4462F28	4110F21	4362F26	4452F27			
36	4129F21	4382F26	4473F28	4120F21	4373F26	4463F28			
34	4138F22	4393F26	4484F28	4130F21	4384F26	4475F28			
32	4148F22	4405F26	4491^28	4140F22	4396F26	4487F28			
30	4158F22	4416F27	4498^28	4150F22	4407F27	4492^28			
20	4210F23	4475F28	4538^29	4202F23	4466F28	4532^29			
10	4261F24	4527^29	4579^30	4222F23	4472^28	4527^29			
0	4319F25	4573^29	4628^30	4280F24	4520^29	4576^30			
-10	4374F26	4617^30	4673^31	4333F25	4560^30	4615^30			
	High QNH +60 per .10" Low QNH -150 per .10"			High QNH +60 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -560 Wing A/I ON -560			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3855F 4	4140F14	4242F18	3849F 4	4133F14	4235F18			
46	3921F 5	4210F15	4314F18	3915F 5	4203F15	4306F18			
44	3970F 5	4263F16	4367F19	3963F 5	4255F15	4359F19			
42	4000F 6	4298F16	4404F20	3993F 6	4290F16	4396F19			
40	4017F 6	4316F17	4423F20	4011F 6	4309F16	4415F20			
38	4029F 7	4330F17	4438F20	4023F 7	4323F17	4430F20			
36	4040F 7	4343F17	4451F21	4033F 7	4335F17	4443F20			
34	4051F 7	4355F18	4464F21	4045F 7	4348F18	4456F21			
32	4063F 8	4368F18	4478F21	4056F 8	4361F18	4470F21			
30	4073F 8	4382F18	4487^22	4068F 8	4374F18	4484F22			
20	4132F10	4449F20	4538D24	4126F10	4442F20	4532D23			
10	4191F12	4518F22	4579D25	4155F12	4466^22	4527D25			
0	4255F13	4573^24	4628D27	4220F13	4520D24	4576D27			
-10	4321F15	4617D26	4673D30	4283F15	4560D26	4615D30			
	High QNH +60 per .10" Low QNH -150 per .10"			High QNH +60 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -560 Wing A/I ON -560			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3195F98	3902F 0		3492F 1	3596F 4			
26		3404F98	3914F 0		3503F 2	3607F 5			
24		3566F98	3927F 1		3515F 2	3619F 5			
22		3705F98	3939F 1		3526F 2	3632F 5			
20		3850F98	3951F 1		3537F 2	3643F 6			
18		3860F98	3963F 2		3548F 3	3656F 6			
16		3871F99	3974F 2		3559F 3	3665F 6			
14		3882F99	3985F 2		3570F 4	3678F 7			
12		3896F99	3998F 3		3582F 4	3691F 7			
10		3908F 0	4008F 3		3595F 4	3703F 7			
0		3975F 2	4075F 5	3163F97	3659F 6	3773F 9			
-10		4036F 4	4139F 7	3244F99	3722F 8	3841F11			
-20		4102F 6	4208F 9	3456F 0	3792F10	3911F13			
-30	2666F 2	4167F 8	4278F11	3514F 1	3860F12	3985F15			
	High QNH +70 per .10" Low QNH -880 per .10"			High QNH +70 per .10" Low QNH -60 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -410 Wing A/I ON -410			Engine A/I ON -370 Wing A/I ON -370			Engine A/I ON Wing A/I ON		

Elevation 97 Length 6562 Shift **0** Clearway 0 Stopway 0 Slope +0.35

Rwy Rev. Program Rules FAA **31 Aug 16**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1097'		**DT H234**	**1097'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	3923F18	4165F23	4251F24
46	87.7	3989F19	4238F24	4325F25
44	87.6	4031F20	4284F24	4372F26
42	87.4	4049F20	4304F25	4392F26
40	87.2	4066F20	4321F25	4410F27
38	86.9	4077F20	4332F25	4421F27
36	86.6	4087F21	4343F25	4432F27
34	86.4	4098F21	4353F26	4443F27
32	86.1	4109F21	4365F26	4455F27
30	85.8	4121F21	4376F26	4465F28
20	84.4	4173F22	4434F27	4526F29
10	82.9	4225F23	4491F28	4587F30
0	81.4	4281F24	4556F29	4655F31
-10	79.9	4335F25	4618F30	4699^32
-20	78.4	4392F26	4683F31	4744^32
-30	76.8	4448F27	4726^32	4787^33

ALT TO-1 - WET RWY

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	3851F 3	4136F13	4234F16	4710
46	3914F 3	4205F13	4305F16	4829
44	3955F 3	4250F14	4350F17	4892
42	3973F 4	4270F14	4371F17	4946
40	3991F 4	4288F14	4390F18	4959
38	4002F 4	4300F15	4402F18	4961
36	4014F 5	4312F15	4415F18	4962
34	4025F 5	4324F15	4427F19	4964
32	4036F 5	4337F16	4440F19	4966
30	4049F 6	4349F16	4454F19	4968
20	4110F 7	4414F18	4521F21	4976
10	4169F 9	4480F20	4587D23	4972
0	4233F11	4552F21	4655D25	4984
-10	4294F13	4618D23	4699D27	4987
-20	4358F15	4683D25	4744D29	4985
-30	4425F17	4726D27	4787D31	4983

High QNH **+60** per .10" Engine A/I ON **-510**
Low QNH **-150** per .10" Wing A/I ON **-510**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4009F20	4254F25	4342F26
46	90.9	4082F21	4330F25	4419F27
44	90.8	4137F22	4389F26	4476F28
42	90.6	4174F22	4429F27	4518F29
40	90.3	4191F23	4444F27	4536F29
38	90.0	4202F23	4457F27	4549F29
36	89.8	4212F23	4469F28	4561F29
34	89.5	4222F23	4480F28	4573F30
32	89.2	4232F23	4492F28	4585F30
30	88.9	4243F23	4504F28	4598F30
20	87.4	4296F24	4565F29	4643^31
10	85.9	4349F25	4625F30	4685^31
0	84.3	4408F26	4675^31	4734^32
-10	82.8	4464F27	4721^32	4779^33
-20	81.2	4523F29	4763^33	4819^34
-30	79.6	4583F30	4804^33	4858^34

TO-1 - WET RWY

OAT °C	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	3912F 4	4202F14	4305F17	4710
46	3977F 4	4274F14	4377F18	4829
44	4025F 5	4326F15	4432F18	4892
42	4056F 5	4361F16	4468F19	4946
40	4074F 5	4380F16	4487F19	4959
38	4087F 6	4394F16	4502F20	4961
36	4098F 6	4406F17	4515F20	4962
34	4110F 6	4419F17	4528F20	4964
32	4123F 7	4432F17	4542F21	4966
30	4136F 7	4446F18	4556F21	4968
20	4195F 9	4514F19	4621^23	4976
10	4255F11	4582F21	4675^25	4972
0	4320F13	4653^23	4734D27	4984
-10	4387F15	4712^25	4779D29	4987
-20	4457F17	4763D28	4819D31	4985
-30	4528F19	4804D30	4858D33	4983

High QNH **+60** per .10" Engine A/I ON **-570**
Low QNH **-150** per .10" Wing A/I ON **-570**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4009F20-20-31	4254F25-25-35	4342F26-26-36	4410^27-27-37
46	90.9	4082F21-21-32	4330F25-25-36	4419F27-27-37	4499^29-29-38
44	90.8	4137F22-22-33	4389F26-26-37	4476F28-28-38	4559^29-29-39
42	90.6	4174F22-22-34	4429F27-27-37	4518F29-29-39	4592^30-30-40
40	90.3	4191F23-23-34	4444F27-27-38	4536F29-29-39	4610^30-30-40
38	90.0	4202F23-23-34	4457F27-27-38	4549F29-29-39	4620^30-30-40
36	89.8	4212F23-23-34	4469F28-28-38	4561F29-29-39	4628^31-31-40
34	89.5	4222F23-23-34	4480F28-28-38	4573F30-30-40	4637^31-31-41
32	89.2	4232F23-23-35	4492F28-28-38	4585F30-30-40	4646^31-31-41
30	88.9	4243F23-23-35	4504F28-28-39	4598F30-30-40	4656^31-31-41
20	87.4	4296F24-24-35	4565F29-29-39	4643^31-31-41	4702^32-32-41
10	85.9	4349F25-25-36	4625F30-30-40	4685^31-31-41	4742^32-32-42
0	84.3	4408F26-26-37	4675^31-31-41	4734^32-32-42	4790^33-33-43
-10	82.8	4464F27-27-38	4721^32-32-42	4779^33-33-43	4832^34-34-43
-20	81.2	4523F29-29-39	4763^33-33-42	4819^34-34-43	4872^35-35-44
-30	79.6	4583F30-30-40	4804^33-33-43	4858^34-34-44	4923^35-35-45

High QNH **+60** per .10" Engine A/I ON **-570**
Low QNH **-150** per .10" Wing A/I ON **-570**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	97	Length	6562	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.35
Rwy Rev.		Program						Rules	FAA		**31 Aug 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4009F20	4254F25	4342F26	4000F20	4245F24	4332F26			
46	4082F21	4330F25	4419F27	4073F21	4321F25	4409F27			
44	4137F22	4389F26	4476F28	4128F21	4379F26	4466F28			
42	4174F22	4429F27	4518F29	4165F22	4419F27	4507F28			
40	4191F23	4444F27	4536F29	4182F22	4436F27	4526F29			
38	4202F23	4457F27	4549F29	4193F23	4448F27	4540F29			
36	4212F23	4469F28	4561F29	4203F23	4459F27	4551F29			
34	4222F23	4480F28	4573F30	4213F23	4471F28	4563F29			
32	4232F23	4492F28	4585F30	4224F23	4482F28	4576F30			
30	4243F23	4504F28	4598F30	4234F23	4494F28	4588F30			
20	4296F24	4565F29	4643^31	4288F24	4555F29	4637^31			
10	4349F25	4625F30	4685^31	4309F25	4572^30	4630^31			
0	4408F26	4675^31	4734^32	4369F26	4623^31	4679^32			
-10	4464F27	4721^32	4779^33	4422F27	4663^31	4718^32			
	High QNH **+60** per .10" Low QNH **-150** per .10"			High QNH **+60** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-570** Wing A/I ON **-570**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	3912F 4	4202F14	4305F17	3906F 4	4195F14	4298F17			
46	3977F 4	4274F14	4377F18	3970F 4	4266F14	4370F18			
44	4025F 5	4326F15	4432F18	4018F 4	4319F15	4424F18			
42	4056F 5	4361F16	4468F19	4049F 5	4354F15	4460F19			
40	4074F 5	4380F16	4487F19	4067F 5	4372F16	4479F19			
38	4087F 6	4394F16	4502F20	4080F 6	4386F16	4494F20			
36	4098F 6	4406F17	4515F20	4093F 6	4399F17	4507F20			
34	4110F 6	4419F17	4528F20	4104F 6	4412F17	4521F20			
32	4123F 7	4432F17	4542F21	4117F 7	4425F17	4535F21			
30	4136F 7	4446F18	4556F21	4130F 7	4439F18	4549F21			
20	4195F 9	4514F19	4621^23	4189F 9	4507F19	4614^23			
10	4255F11	4582F21	4675^25	4218F11	4546F21	4626^25			
0	4320F13	4653^23	4734D27	4284F13	4607^23	4679D27			
-10	4387F15	4712^25	4779D29	4349F15	4661^25	4718D29			
	High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-510** Wing A/I ON **-510**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		3785F95	4114F97		3307F 0	3607F 2			
26		3820F95	4147F97		3340F 0	3626F 3			
24		3855F95	4179F97		3375F 1	3644F 3			
22		3889F95	4207F98		3411F 1	3662F 3			
20		3937F96	4239F98	2655F94	3447F 1	3681F 3			
18		3995F96	4251^98	2667F94	3487F 1	3694F 4			
16		4054F97	4254^99	2679F94		3718F 4			
14		4092F97	4253^99	2702F95	3569F 1	3742F 4			
12		4109F97	4252^ 0	2727F95	3583F 2	3763F 4			
10		4141F97	4253^ 0	2751F95	3601F 2	3787F 5			
0		4214^99		2878F96	3698F 3	3904F 6			
-10		4217^ 1		3010F98	3812F 5	3995F 8			
-20	3145F93	4216^ 4	4268^ 7	3163F99	3924F 7	4078F10			
-30	3406F95	4210^ 6	4266^ 9	3323F 0	4015F 8	4163F12			
	High QNH **+10** per .10" Low QNH **-290** per .10"			High QNH **+70** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-690** Wing A/I ON **-690**			Engine A/I ON **-410** Wing A/I ON **-410**			Engine A/I ON Wing A/I ON		

Elevation	97	Length	6562	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.35
Rwy Rev.		Program						Rules	FAA		**31 Aug 16**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.0 TNY		**LT H300**	**4200'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
42	88.2	3921F19	4156F23	4238F25
40	88.4	3981F20	4218F24	4302F26
38	88.5	4040F21	4279F25	4363F27
36	88.6	4098F21	4340F26	4425F27
34	88.7	4155F22	4398F27	4484F28
32	88.8	4188F23	4434F27	4520F29
30	88.9	4200F23	4446F27	4534F29
28	88.6	4211F23	4459F28	4546F29
26	88.3	4221F23	4471F28	4559F29
24	88.0	4232F23	4483F28	4570F30
22	87.7	4243F24	4495F28	4582F30
20	87.4	4254F24	4507F28	4595F30
10	85.9	4309F25	4567F30	4660F31
0	84.3	4362F26	4628F31	4719F32
-10	82.8	4421F27	4692F32	4777^33
-20	81.2	4477F28	4755F33	4813^34

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3851F 5	4120F14	4215F17	4505
3907F 5	4179F15	4276F18	4596
3962F 6	4237F15	4334F18	4685
4017F 6	4295F16	4393F19	4773
4071F 7	4351F16	4450F19	4855
4103F 7	4385F17	4485F20	4894
4115F 8	4399F17	4499F20	4918
4127F 8	4412F18	4513F21	4925
4139F 8	4425F18	4527F21	4932
4150F 9	4439F18	4541F21	4934
4162F 9	4452F19	4555F22	4936
4174F 9	4466F19	4569F22	4937
4235F11	4535F21	4639F24	4942
4293F13	4603F23	4709F26	4934
4359F15	4676F24	4776^28	4940
4426F17	4749F26	4813D30	4939

High QNH **+50** per .10" — Engine A/I ON **-420**
Low QNH **-150** per .10" — Wing A/I ON **-420**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
42	91.5	4010F21	4249F25	4329F27
40	91.8	4072F22	4314F26	4395F28
38	92.2	4131F22	4375F27	4458F28
36	92.5	4190F23	4437F28	4522F29
34	92.6	4248F24	4497F28	4584F30
32	92.5	4292F25	4542F29	4631F31
30	92.3	4324F25	4577F30	4666F31
28	92.0	4335F25	4589F30	4678F32
26	91.8	4347F26	4602F30	4691F32
24	91.5	4358F26	4615F30	4703F32
22	91.1	4369F26	4627F31	4716F32
20	90.8	4381F26	4640F31	4728F32
10	89.2	4438F27	4702F32	4770^33
0	87.6	4491F28	4745^33	4799^34
-10	86.0	4553F29	4784^33	4839^34
-20	84.4	4614F30	4817^34	4872^35

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
3911F 6	4191F16	4289F19	4505
3968F 7	4251F16	4351F19	4596
4023F 7	4309F17	4410F20	4685
4078F 7	4367F17	4469F20	4773
4132F 8	4423F18	4527F21	4855
4171F 8	4466F18	4570F21	4894
4196F 9	4496F19	4602F22	4918
4209F 9	4510F19	4614F22	4925
4221F10	4524F20	4629F23	4932
4234F10	4538F20	4644F23	4934
4246F10	4552F20	4659F23	4936
4259F11	4567F21	4673F24	4937
4322F13	4638F23	4748F26	4942
4385F15	4708F25	4790^28	4934
4456F17	4768^27	4839D30	4940
4526F19	4815^29	4872D32	4939

High QNH **+40** per .10" — Engine A/I ON **-630**
Low QNH **-150** per .10" — Wing A/I ON **-630**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
42	91.5	4010F21-21-31	4249F25-25-35	4329F27-27-36	4387^28-28-37
40	91.8	4072F22-22-32	4314F26-26-36	4395F28-28-37	4464^29-29-38
38	92.2	4131F22-22-33	4375F27-27-37	4458F28-28-38	4537^30-30-39
36	92.5	4190F23-23-34	4437F28-28-38	4522F29-29-39	4608F31-31-40
34	92.6	4248F24-24-35	4497F28-28-39	4584F30-30-40	4671F32-32-41
32	92.5	4292F25-25-35	4542F29-29-39	4631F31-31-41	4719F32-32-42
30	92.3	4324F25-25-36	4577F30-30-40	4666F31-31-41	4744^33-33-42
28	92.0	4335F25-25-36	4589F30-30-40	4678F32-32-41	4753^33-33-42
26	91.8	4347F26-26-36	4602F30-30-40	4691F32-32-41	4762^33-33-42
24	91.5	4358F26-26-36	4615F30-30-40	4703F32-32-42	4771^33-33-43
22	91.1	4369F26-26-37	4627F31-31-40	4716F32-32-42	4778^33-33-43
20	90.8	4381F26-26-37	4640F31-31-41	4728F32-32-42	4787^33-33-43
10	89.2	4438F27-27-38	4702F32-32-42	4770^33-33-43	4826^34-34-43
0	87.6	4491F28-28-38	4745^33-33-42	4799^34-34-43	4855^35-35-44
-10	86.0	4553F29-29-39	4784^33-33-43	4839^34-34-44	4895^35-35-44
-20	84.4	4614F30-30-40	4817^34-34-43	4872^35-35-44	4927^36-36-45

High QNH **+40** per .10" — Engine A/I ON **-630**
Low QNH **-150** per .10" — Wing A/I ON **-630**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 3020 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope -0.05
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	4010F21	4249F25	4329F27	3999F20	4238F25	4318F26			
40	4072F22	4314F26	4395F28	4062F21	4303F26	4384F27			
38	4131F22	4375F27	4458F28	4121F22	4365F27	4448F28			
36	4190F23	4437F28	4522F29	4181F23	4427F27	4511F29			
34	4248F24	4497F28	4584F30	4238F24	4487F28	4575F30			
32	4292F25	4542F29	4631F31	4282F24	4533F29	4620F31			
30	4324F25	4577F30	4666F31	4314F25	4566F30	4655F31			
28	4335F25	4589F30	4678F32	4325F25	4579F30	4668F31			
26	4347F26	4602F30	4691F32	4337F25	4592F30	4680F32			
24	4358F26	4615F30	4703F32	4348F26	4604F30	4693F32			
22	4369F26	4627F31	4716F32	4359F26	4617F30	4705F32			
20	4381F26	4640F31	4728F32	4371F26	4630F31	4718F32			
10	4438F27	4702F32	4770^33	4400F27	4661F31	4715^32			
0	4491F28	4745^33	4799^34	4451F28	4682^32	4736^33			
	High QNH +50 per .10" Low QNH -150 per .10"			High QNH +50 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -630 Wing A/I ON -630			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3911F 6	4191F16	4289F19	3904F 6	4182F15	4280F19			
40	3968F 7	4251F16	4351F19	3961F 6	4243F16	4343F19			
38	4023F 7	4309F17	4410F20	4016F 7	4301F17	4402F20			
36	4078F 7	4367F17	4469F20	4072F 7	4359F17	4461F20			
34	4132F 8	4423F18	4527F21	4125F 8	4416F18	4518F21			
32	4171F 8	4466F18	4570F21	4164F 8	4458F18	4562F21			
30	4196F 9	4496F19	4602F22	4190F 9	4488F19	4593F22			
28	4209F 9	4510F19	4614F22	4202F 9	4502F19	4606F22			
26	4221F10	4524F20	4629F23	4215F10	4516F20	4621F23			
24	4234F10	4538F20	4644F23	4227F10	4530F20	4636F23			
22	4246F10	4552F20	4659F23	4240F10	4544F20	4651F23			
20	4259F11	4567F21	4673F24	4252F11	4559F21	4665F24			
10	4322F13	4638F23	4748F26	4288F13	4603F22	4697^26			
0	4385F15	4708F25	4790^28	4346F15	4659^24	4733^28			
	High QNH +70 per .10" Low QNH -150 per .10"			High QNH +60 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -490 Wing A/I ON -490			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4094F96	4204^99	2913F96	3440F 3	3628F 5			
26		4114F96	4212^ 0	2929F96	3471F 3	3647F 5			
24	2783F91	4128F97	4214^ 0	2944F96	3503F 3	3665F 6			
22	2973F91	4141F97	4217^ 0	2960F96	3539F 3	3683F 6			
20	3156F90	4156F97	4219^ 1	2976F97	3551F 4	3701F 6			
18	3197F91	4168F98	4222^ 1	2991F97	3566F 4	3722F 6			
16	3237F91	4179^98	4224^ 2	3009F97	3583F 4	3743F 7			
14	3286F91	4180^98	4226^ 2	3025F97	3599F 5	3764F 7			
12	3344F92	4181^99	4228^ 2	3041F98	3619F 5	3787F 7			
10	3388F92	4181^99	4228^ 3	3058F98	3634F 5	3811F 7			
0	3632F93	4179^ 1	4227^ 5	3143F99	3726F 7	3902F 9			
-10	3675F95	4186^ 4	4236^ 7	3242F 1	3839F 8	3995F11			
-20	3844F96	4188^ 6	4239^10	3353F 2	3925F 9	4098F12			
-30	4022F98	4187^ 8	4240^12	3524F 3	4033F11	4205F14			
	High QNH +10 per .10" Low QNH -130 per .10"			High QNH +60 per .10" Low QNH -180 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -790 Wing A/I ON -790			Engine A/I ON -350 Wing A/I ON -350			Engine A/I ON Wing A/I ON		

Elevation 3020 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope -0.05

Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D8.3 TNY		**RT H240**	**4200'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	88.2	3910F19	4143F23	4210^24	3842F 5	4110F14	4196^17	4505
40	88.4	3970F20	4206F24	4277^25	3898F 6	4170F15	4260^18	4596
38	88.5	4028F20	4267F25	4342^26	3953F 6	4227F15	4325F18	4685
36	88.6	4087F21	4327F26	4406^27	4008F 6	4285F16	4383F19	4773
34	88.7	4143F22	4386F26	4472F28	4061F 7	4341F16	4440F20	4855
32	88.8	4176F22	4421F27	4508F29	4093F 7	4375F17	4475F20	4894
30	88.9	4188F23	4434F27	4521F29	4106F 8	4389F17	4489F20	4918
28	88.6	4199F23	4446F27	4528^29	4117F 8	4402F18	4503F21	4925
26	88.3	4209F23	4458F28	4538^29	4129F 8	4415F18	4517F21	4932
24	88.0	4220F23	4470F28	4549^29	4141F 9	4429F18	4526^21	4934
22	87.7	4231F23	4482F28	4559^29	4153F 9	4442F19	4538^22	4936
20	87.4	4242F24	4494F28	4569^30	4165F 9	4456F19	4551^22	4937
10	85.9	4297F25	4556F29	4620^30	4225F11	4525F21	4612^24	4942
0	84.3	4349F26	4600^30	4665^31	4283F13	4583^23	4665D26	4934
-10	82.8	4408F27	4651^31	4716^32	4349F15	4646^25	4716D28	4940
-20	81.2	4466F28	4698^32	4761^33	4416F17	4698D27	4761D30	4939

High QNH **+50** per .10" Engine A/I ON **-510**
Low QNH **-150** per .10" Wing A/I ON **-510**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	91.5	3998F20	4216^25	4273^26	3902F 6	4177^16	4254^19	4505
40	91.8	4060F21	4285^26	4344^27	3959F 7	4242F16	4321^19	4596
38	92.2	4119F22	4350^26	4412^28	4014F 7	4300F17	4384^20	4685
36	92.5	4178F23	4416^27	4479^28	4069F 8	4358F17	4446^20	4773
34	92.6	4236F24	4478^28	4544^29	4123F 8	4414F18	4505^21	4855
32	92.5	4280F24	4523^29	4589^30	4162F 9	4456F18	4548^22	4894
30	92.3	4312F25	4550^29	4614^30	4187F 9	4486F19	4575^22	4918
28	92.0	4323F25	4561^29	4624^31	4200F10	4500F19	4588^23	4925
26	91.8	4334F25	4572^30	4635^31	4212F10	4515F20	4599^23	4932
24	91.5	4345F26	4581^30	4644^31	4224F10	4529F20	4612^23	4934
22	91.1	4357F26	4592^30	4654^31	4237F11	4537^20	4624^24	4936
20	90.8	4368F26	4602^30	4663^31	4250F11	4550^21	4636^24	4937
10	89.2	4425F27	4651^31	4712^32	4313F13	4612^23	4697^26	4942
0	87.6	4480F28	4692^32	4750^33	4375F15	4668^25	4750D28	4934
-10	86.0	4540F29	4741^33	4798^34	4446F17	4731^27	4798D30	4940
-20	84.4	4600F30	4764^33	4818^34	4517F19	4764D29	4818D33	4939

High QNH **+20** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
42	91.5	3998F20-20-31	4216^25-25-34	4273^26-26-35	4327^27-27-36
40	91.8	4060F21-21-32	4285^26-26-35	4344^27-27-36	4401^28-28-37
38	92.2	4119F22-22-33	4350^26-26-36	4412^28-28-37	4469^29-29-38
36	92.5	4178F23-23-34	4416^27-27-37	4479^28-28-38	4538^29-29-39
34	92.6	4236F24-24-35	4478^28-28-38	4544^29-29-39	4604^30-30-40
32	92.5	4280F24-24-35	4523^29-29-39	4589^30-30-40	4649^31-31-41
30	92.3	4312F25-25-36	4550^29-29-39	4614^30-30-40	4673^31-31-41
28	92.0	4323F25-25-36	4561^29-29-39	4624^31-31-40	4684^32-32-41
26	91.8	4334F25-25-36	4572^30-30-40	4635^31-31-41	4694^32-32-41
24	91.5	4345F26-26-36	4581^30-30-40	4644^31-31-41	4703^32-32-42
22	91.1	4357F26-26-36	4592^30-30-40	4654^31-31-41	4712^32-32-42
20	90.8	4368F26-26-37	4602^30-30-40	4663^31-31-41	4721^32-32-42
10	89.2	4425F27-27-37	4651^31-31-41	4712^32-32-42	4768^33-33-42
0	87.6	4480F28-28-38	4692^32-32-41	4750^33-33-42	4805^34-34-43
-10	86.0	4540F29-29-39	4741^33-33-42	4798^34-34-43	4850^34-34-44
-20	84.4	4600F30-30-40	4764^33-33-42	4818^34-34-43	4872^35-35-44

High QNH **+20** per .10" Engine A/I ON **-560**
Low QNH **-150** per .10" Wing A/I ON **-560**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 3020 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.05
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3998F20	4216^25	4273^26	3988F20	4208^24	4265^25			
40	4060F21	4285^26	4344^27	4050F21	4276^25	4336^26			
38	4119F22	4350^26	4412^28	4109F22	4341^26	4403^27			
36	4178F23	4416^27	4479^28	4169F23	4407^27	4471^28			
34	4236F24	4478^28	4544^29	4226F24	4474F28	4535^29			
32	4280F24	4523^29	4589^30	4270F24	4514^29	4580^30			
30	4312F25	4550^29	4614^30	4302F25	4542^29	4605^30			
28	4323F25	4561^29	4624^31	4313F25	4552^29	4616^30			
26	4334F25	4572^30	4635^31	4325F25	4563^29	4626^31			
24	4345F26	4581^30	4644^31	4336F25	4573^30	4636^31			
22	4357F26	4592^30	4654^31	4347F26	4583^30	4646^31			
20	4368F26	4602^30	4663^31	4358F26	4594^30	4655^31			
10	4425F27	4651^31	4712^32	4387F27	4603^30	4662^31			
0	4480F28	4692^32	4750^33	4438F28	4636^31	4692^32			
	High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-560** Wing A/I ON **-560**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	3902F 6	4177^16	4254^19	3895F 6	4169^16	4247^19			
40	3959F 7	4242F16	4321^19	3952F 7	4234F16	4313^19			
38	4014F 7	4300F17	4384^20	4007F 7	4292F17	4376^20			
36	4069F 8	4358F17	4446^20	4063F 8	4350F17	4438^20			
34	4123F 8	4414F18	4505^21	4116F 8	4406F18	4498^21			
32	4162F 9	4456F18	4548^22	4155F 9	4449F18	4540^21			
30	4187F 9	4486F19	4575^22	4181F 9	4478F19	4567^22			
28	4200F10	4500F19	4588^23	4193F 9	4492F19	4580^22			
26	4212F10	4515F20	4599^23	4206F10	4507F20	4592^23			
24	4224F10	4529F20	4612^23	4218F10	4521F20	4604^23			
22	4237F11	4537^20	4624^24	4230F10	4529^20	4617^24			
20	4250F11	4550^21	4636^24	4243F11	4543^21	4629^24			
10	4313F13	4612^23	4697^26	4279F13	4571^23	4653^26			
0	4375F15	4668^25	4750D28	4337F15	4620^25	4692D28			
	High QNH **+50** per .10" Low QNH **-150** per .10"			High QNH **+60** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-470** Wing A/I ON **-470**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	2648F91	4091F96	4187^ 0	2908F96	3423F 3	3620F 5			
26	2817F91	4105F97	4200^ 0	2921F96	3455F 3	3637F 6			
24	2982F91	4119F97	4213^ 0	2936F96	3487F 4	3655F 6			
22	3150F90	4133F97	4215^ 1	2953F97	3520F 4	3674F 6			
20	3198F91	4143^98	4218^ 1	2968F97	3550F 4	3694F 6			
18	3235F91	4156^98	4221^ 1	2985F97	3559F 4	3713F 7			
16	3275F91	4169^98	4223^ 2	3001F97	3575F 5	3734F 7			
14	3316F91	4179^99	4225^ 2	3017F98	3590F 5	3755F 7			
12	3380F92	4180^99	4226^ 3	3034F98	3606F 5	3776F 7			
10	3422F92	4180^ 0	4227^ 3	3049F98	3625F 5	3801F 8			
0	3679F94	4177^ 2	4226^ 5	3133F 0	3718F 7	3891F 9			
-10	3704F95	4186^ 4	4235^ 7	3231F 1	3831F 8	4002F11			
-20	3871F97	4188^ 6	4239^10	3345F 2	3928F10	4097F12			
-30	4035^98	4186^ 9	4238D13	3507F 3	4037F11	4210F14			
	High QNH **+10** per .10" Low QNH **-90** per .10"			High QNH **+0** per .10" Low QNH **-180** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-790** Wing A/I ON **-790**			Engine A/I ON **-350** Wing A/I ON **-350**			Engine A/I ON Wing A/I ON		

Elevation 3020 Length 7546 Shift **0** Clearway 0 Stopway 0 Slope +0.05

Rwy Rev. Program Rules FAA **26 Oct 17**

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TIJUANA -TIJ 09 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
V2		***D0.8 TIJ**	**D2.2 ITIJ**	**RT H290**	**1600'**	

*EAST OF TIJ NOTAMS A2537/20

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.5	4408^28	4556^30	4589^31
46	87.8	4499^29	4656^32	4700^32
44	87.8	4566^30	4727^33	4782^33
42	87.7	4613^30	4778^33	4834^34
40	87.6	4644^31	4809^34	4866^35
38	87.3	4652^31	4817^34	4874^35
36	87.0	4660^31	4825^34	4882^35
34	86.7	4668^31	4833^34	4890^35
32	86.5	4676^31	4842^34	4897^35
30	86.2	4684^31	4849^34	4905^35
20	84.8	4723^32	4888^35	4941^36
10	83.3	4755^33	4897^35	4934^36
0	81.8	4784^33	4899^35	4938^36
-10	80.3	4778^33	4897^35	4937^36
-20	78.7	4766^33	4889^35	4931^36
-30	77.2	4752^33	4879^35	4923^36

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4408^22	4556D30	4589D31	4638
4492^22	4656D32	4700D32	4752
4556^23	4727D32	4782D34	4846
4601^23	4778D33	4834D35	4938
4632^23	4809D33	4866D36	4957
4642^24	4817D33	4874D36	4960
4652^24	4825D34	4882D36	4962
4662^24	4833D34	4890D36	4964
4672^25	4842D35	4897D36	4966
4682^25	4849D35	4905D36	4968
4723D27	4888D35	4941D36	4976
4755D29	4897D35	4934D36	4971
4784D32	4899D35	4938D36	4981
4778D33	4897D35	4937D36	4985
4766D33	4889D35	4931D36	4983
4752D33	4879D35	4923D36	4980

High QNH **+0** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-840** — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.7	4459^29	4567^30	4599^31
46	91.0	4554^30	4678^32	4711^33
44	91.1	4627^31	4779^33	4812^34
42	90.9	4684^32	4842^34	4896^35
40	90.8	4718^32	4876^35	4930^36
38	90.5	4731^32	4889^35	4943^36
36	90.2	4739^32	4897^35	4948^36
34	89.9	4745^33	4905^35	4949^36
32	89.7	4753^33	4909^35	4950^36
30	89.4	4761^33	4913^35	4951^36
20	87.8	4784^33	4921^35	4956^36
10	86.3	4787^33	4912^35	4950^36
0	84.8	4801^33	4915^35	4953^36
-10	83.2	4795^33	4912^35	4952^36
-20	81.6	4782^33	4904^35	4945^36
-30	80.0	4767^33	4894^35	4937^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4459D23	4567D31	4599D31	4638
4547^24	4678D32	4711D33	4752
4617^24	4779D34	4812D34	4846
4671^25	4842D35	4896D35	4938
4705^25	4876D35	4930D36	4957
4721^26	4889D35	4943D36	4960
4730^26	4897D35	4948D36	4962
4740^27	4905D36	4949D36	4964
4750^27	4909D36	4950D36	4966
4760^28	4913D36	4951D36	4968
4784D30	4921D36	4956D36	4976
4787D32	4912D35	4950D36	4971
4801D34	4915D35	4953D36	4981
4795D33	4912D35	4952D36	4985
4782D33	4904D35	4945D36	4983
4767D33	4894D35	4937D36	4980

High QNH **+0** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-840** — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.7	4459^29-29-38	4567^30-30-40	4610^37-37-46	4664^38-38-47
46	91.0	4554^30-30-39	4678^32-32-41	4711^33-33-42	4761^39-39-48
44	91.1	4627^31-31-40	4779^33-33-43	4812^34-34-43	4845^35-35-44
42	90.9	4684^32-32-41	4842^34-34-43	4896^35-35-44	4929^36-36-45
40	90.8	4718^32-32-42	4876^35-35-44	4930^36-36-45	4957C36-36-45
38	90.5	4731^32-32-42	4889^35-35-44	4943^36-36-45	4960C36-36-45
36	90.2	4739^32-32-42	4897^35-35-44	4948^36-36-45	4962C36-36-45
34	89.9	4745^33-33-42	4905^35-35-44	4949^36-36-45	4964C36-36-45
32	89.7	4753^33-33-42	4909^35-35-44	4950^36-36-45	4973^42-42-51
30	89.4	4761^33-33-42	4913^35-35-45	4951^36-36-45	4981^42-42-51
20	87.8	4784^33-33-43	4921^35-35-45	4966^42-42-51	4991C43-43-52
10	86.3	4787^33-33-43	4943^42-42-51	4985C42-42-51	4985C42-42-51
0	84.8	4820^40-40-49	4987^42-42-51	4997C43-43-52	4997C43-43-52
-10	83.2	4859^40-40-50	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.6	4876^41-41-50	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	80.0	4882^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Low QNH **-170** per .10"
Engine A/I ON **-890** — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	487	Length	9715	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.22
Rwy Rev.		Program						Rules	FAA		**01 Jun 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4459^29	4567^30	4599^31	4452^28	4562^30	4594^31			
46	4554^30	4678^32	4711^33	4546^30	4672^32	4705^32			
44	4627^31	4779^33	4812^34	4620^31	4773^33	4806^34			
42	4684^32	4842^34	4896^35	4676^31	4834^34	4888^35			
40	4718^32	4876^35	4930^36	4710^32	4869^35	4924^36			
38	4731^32	4889^35	4943^36	4724^32	4883^35	4937^36			
36	4739^32	4897^35	4948^36	4731^32	4890^35	4944^36			
34	4745^33	4905^35	4949^36	4739^32	4898^35	4945^36			
32	4753^33	4909^35	4950^36	4747^33	4905^35	4945^36			
30	4761^33	4913^35	4951^36	4754^33	4909^35	4947^36			
20	4784^33	4921^35	4956^36	4779^33	4916^35	4952^36			
10	4787^33	4912^35	4950^36	4709^32	4830^34	4867^35			
0	4801^33	4915^35	4953^36	4716^32	4829^34	4866^35			
-10	4795^33	4912^35	4952^36	4709^32	4826^34	4866^35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -840			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -840			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4459D23	4567D31	4599D31	4452D23	4562D30	4594D31			
46	4547^24	4678D32	4711D33	4540^24	4672D32	4705D33			
44	4617^24	4779D34	4812D34	4609^24	4773D33	4806D34			
42	4671^25	4842D35	4896D35	4663^25	4834D35	4888D35			
40	4705^25	4876D35	4930D36	4698^25	4869D35	4924D36			
38	4721^26	4889D35	4943D36	4713^26	4883D35	4937D36			
36	4730^26	4897D35	4948D36	4724^26	4890D35	4944D36			
34	4740^27	4905D36	4949D36	4733^27	4898D35	4945D36			
32	4750^27	4909D36	4950D36	4744^27	4905D35	4945D36			
30	4760^28	4913D36	4951D36	4753^27	4909D35	4947D36			
20	4784D30	4921D36	4956D36	4779D30	4916D36	4952D36			
10	4787D32	4912D35	4950D36	4709D32	4830D34	4867D35			
0	4801D34	4915D35	4953D36	4716D32	4829D34	4866D35			
-10	4795D33	4912D35	4952D36	4709D32	4826D34	4866D35			
	High QNH +0 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -170 per .10"			Low QNH per .10"		
	Engine A/I ON -840			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -840			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4338^ 4	4550^14	4627^18	4042F 9	4274F18	4354^21			
26	4349^ 4	4561^15	4638^18	4053F 9	4285F19	4366^22			
24	4359^ 5	4572^15	4649^18	4063F10	4298F19	4378^22			
22	4368^ 5	4583^16	4661^19	4073F10	4307F19	4390^22			
20	4379^ 6	4594^16	4672^19	4084F10	4319F20	4402^23			
18	4388^ 6	4604^16	4684^20	4094F11	4331F20	4415^23			
16	4398^ 6	4616^17	4695^20	4104F11	4343^21	4426^24			
14	4406^ 7	4625^17	4706^21	4114F11	4353^21	4439^24			
12	4415^ 7	4635^18	4715^21	4124F12	4365^21	4450^24			
10	4423^ 8	4644^18	4725^21	4133F12	4375^22	4462^25			
0	4478^10	4705^20	4787^24	4187F14	4439^24	4532^27			
-10	4529^12	4763^22	4847^26	4242F16	4503^26	4602^29			
-20	4578^14	4817^25	4905^28	4298F18	4571^28	4678^31			
-30	4629^16	4865^27	4917^31	4356F20	4643^30	4759^32			
	High QNH +10 per .10"			High QNH +40 per .10"			High QNH per .10"		
	Low QNH -50 per .10"			Low QNH -60 per .10"			Low QNH per .10"		
	Engine A/I ON -670			Engine A/I ON -480			Engine A/I ON		
	Wing A/I ON -670			Wing A/I ON -480			Wing A/I ON		

Elevation	487	Length	9715	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.22
Rwy Rev.		Program						Rules	FAA		**01 Jun 20**

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TIJUANA **-TIJ** **27** ***DT H268***

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1487'		**DT H268**	**1487'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.5	4454^28	4552^30	4584^31
46	87.8	4563^30	4661^32	4694^32
44	87.8	4660^31	4760^33	4794^34
42	87.7	4741^33	4842^34	4876^35
40	87.6	4773^33	4875^35	4910^35
38	87.3	4785^33	4890^35	4924^36
36	87.0	4786^33	4891^35	4926^36
34	86.7	4786^33	4892^35	4927^36
32	86.5	4787^33	4893^35	4928^36
30	86.2	4787^33	4894^35	4929^36
20	84.8	4788^33	4899^35	4935^36
10	83.3	4778^33	4891^35	4929^36
0	81.8	4778^33	4894^35	4933^36
-10	80.3	4772^33	4891^35	4932^36
-20	78.7	4760^33	4883^35	4925^36
-30	77.2	4746^32	4874^35	4917^35

ALT TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4451^21	4552D30	4584D31	4638
4558^22	4661D32	4694D32	4752
4653^22	4760D32	4794D34	4846
4709F22	4842D32	4876D35	4938
4740F23	4875D33	4910D35	4957
4754F23	4890D33	4924D36	4960
4767F23	4891D34	4926D36	4962
4779^24	4892D34	4927D36	4964
4780^24	4893D34	4928D36	4966
4781^25	4894D35	4929D36	4968
4786^27	4899D35	4935D36	4976
4778D29	4891D35	4929D36	4971
4778D32	4894D35	4933D36	4981
4772D33	4891D35	4932D36	4985
4760D33	4883D35	4925D36	4983
4746D33	4874D35	4917D36	4980

High QNH **+0** per .10" — Engine A/I ON **-830**
Low QNH **-170** per .10" — Wing A/I ON **-830**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.7	4466^29	4562^30	4595^31
46	91.0	4576^30	4674^32	4706^32
44	91.1	4674^32	4774^33	4807^34
42	90.9	4757^33	4857^35	4891^35
40	90.8	4790^33	4891^35	4926^36
38	90.5	4804^34	4906^35	4941^36
36	90.2	4805^34	4908^35	4943^36
34	89.9	4805^34	4909^35	4944^36
32	89.7	4806^34	4910^35	4945^36
30	89.4	4806^34	4911^35	4946^36
20	87.8	4807^34	4915^35	4951^36
10	86.3	4796^33	4907^35	4945^36
0	84.8	4796^33	4910^35	4949^36
-10	83.2	4789^33	4907^35	4947^36
-20	81.6	4777^33	4899^35	4941^36
-30	80.0	4762^33	4889^35	4932^36

TO-1 - WET RWY

Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
4465^23	4562D30	4595D31	4638
4573^24	4674D32	4706D33	4752
4670^24	4774D33	4807D34	4846
4750^25	4857D35	4891D35	4938
4783^25	4891D35	4926D36	4957
4798^26	4906D35	4941D36	4960
4799^26	4908D35	4943D36	4962
4801^27	4909D35	4944D36	4964
4802^27	4910D35	4945D36	4966
4803^28	4911D35	4946D36	4968
4807D30	4915D35	4951D36	4976
4796D32	4907D35	4945D36	4971
4796D33	4910D35	4949D36	4981
4789D33	4907D35	4947D36	4985
4777D33	4899D35	4941D36	4983
4762D33	4889D35	4932D36	4980

High QNH **+0** per .10" — Engine A/I ON **-840**
Low QNH **-170** per .10" — Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.7	4553F36-36-45	4673C38-38-47	4673C38-38-47	4673C38-38-47
46	91.0	4636F37-37-46	4792C40-40-49	4792C40-40-49	4792C40-40-49
44	91.1	4707F38-38-47	4881C41-41-50	4881C41-41-50	4881C41-41-50
42	90.9	4767F39-39-48	4941C42-42-51	4941C42-42-51	4941C42-42-51
40	90.8	4803F39-39-49	4972C42-42-51	4972C42-42-51	4972C42-42-51
38	90.5	4828F40-40-49	4974C42-42-51	4974C42-42-51	4974C42-42-51
36	90.2	4840F40-40-49	4976C42-42-51	4976C42-42-51	4976C42-42-51
34	89.9	4852F40-40-49	4978C42-42-51	4978C42-42-51	4978C42-42-51
32	89.7	4861F40-40-50	4980C42-42-51	4980C42-42-51	4980C42-42-51
30	89.4	4874F41-41-50	4982C42-42-51	4982C42-42-51	4982C42-42-51
20	87.8	4937F42-42-51	4991C43-43-52	4991C43-43-52	4991C43-43-52
10	86.3	4944^42-42-51	4985C42-42-51	4985C42-42-51	4985C42-42-51
0	84.8	4943^42-42-51	4997C43-43-52	4997C43-43-52	4997C43-43-52
-10	83.2	4938^42-42-51	5002C43-43-52	5002C43-43-52	5002C43-43-52
-20	81.6	4926^41-41-51	4998C43-43-52	4998C43-43-52	4998C43-43-52
-30	80.0	4912^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-180** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	487	Length	9715	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.22
Rwy Rev.		Program						Rules	FAA		**02 Jul 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4466^29	4562^30	4595^31	4461^29	4557^30	4589^31			
46	4576^30	4674^32	4706^32	4570^30	4668^32	4700^32			
44	4674^32	4774^33	4807^34	4669^32	4768^33	4802^34			
42	4757^33	4857^35	4891^35	4752^33	4852^34	4887^35			
40	4790^33	4891^35	4926^36	4785^33	4887^35	4921^36			
38	4804^34	4906^35	4941^36	4800^33	4902^35	4937^36			
36	4805^34	4908^35	4943^36	4801^33	4904^35	4939^36			
34	4805^34	4909^35	4944^36	4801^33	4905^35	4940^36			
32	4806^34	4910^35	4945^36	4801^33	4905^35	4941^36			
30	4806^34	4911^35	4946^36	4802^33	4906^35	4942^36			
20	4807^34	4915^35	4951^36	4803^33	4910^35	4947^36			
10	4796^33	4907^35	4945^36	4715^32	4825^34	4862^35			
0	4796^33	4910^35	4949^36	4710^32	4824^34	4862^35			
-10	4789^33	4907^35	4947^36	4704^32	4822^34	4861^35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-840** Wing A/I ON **-840**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4465^23	4562D30	4595D31	4459^23	4557D30	4589D31			
46	4573^24	4674D32	4706D33	4567^24	4668D32	4700D32			
44	4670^24	4774D33	4807D34	4664^24	4768D33	4802D34			
42	4750^25	4857D35	4891D35	4745^25	4852D35	4887D35			
40	4783^25	4891D35	4926D36	4778^25	4887D35	4921D36			
38	4798^26	4906D35	4941D36	4793^26	4902D35	4937D36			
36	4799^26	4908D35	4943D36	4795^26	4904D35	4939D36			
34	4801^27	4909D35	4944D36	4796^27	4905D35	4940D36			
32	4802^27	4910D35	4945D36	4797^27	4905D35	4941D36			
30	4803^28	4911D35	4946D36	4799^27	4906D35	4942D36			
20	4807D30	4915D35	4951D36	4803D30	4910D35	4947D36			
10	4796D32	4907D35	4945D36	4715D32	4825D34	4862D35			
0	4796D33	4910D35	4949D36	4710D32	4824D34	4862D35			
-10	4789D33	4907D35	4947D36	4704D32	4822D34	4861D35			
	High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH **+0** per .10" Low QNH **-170** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-840** Wing A/I ON **-840**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	4315F 5	4579F15	4672F18	4015F10	4244F19	4330F22			
26	4327F 6	4593F16	4685F19	4024F10	4256F20	4342F23			
24	4339F 6	4605F16	4699F19	4034F11	4268F20	4355F23			
22	4350F 6	4618F16	4712F20	4044F11	4280F20	4368F23			
20	4362F 7	4631F17	4726F20	4053F11	4292F21	4380F24			
18	4373F 7	4645F17	4740F20	4064F12	4304F21	4394F24			
16	4385F 8	4658F18	4754F21	4073F12	4315F21	4405F24			
14	4394F 8	4670F18	4767F21	4082F12	4327F22	4419F25			
12	4406F 8	4682F18	4780F22	4091F13	4338F22	4432F25			
10	4417F 9	4694F19	4793F22	4101F13	4350F23	4444F25			
0	4483F11	4768F21	4867F24	4156F15	4417F24	4518F27			
-10	4548F13	4838F23	4907^26	4211F17	4487F26	4590F29			
-20	4611F15	4860^26	4910^29	4267F19	4558F28	4664F31			
-30	4677F17	4861^28	4913^32	4324F21	4632F30	4762F33			
	High QNH **+10** per .10" Low QNH **-60** per .10"			High QNH **+40** per .10" Low QNH **-60** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-730** Wing A/I ON **-730**			Engine A/I ON **-460** Wing A/I ON **-460**			Engine A/I ON Wing A/I ON		

Elevation 487 Length 9715 Shift **0** Clearway 0 Stopway 0 Slope +0.22

Rwy Rev. Program Rules FAA **02 Jul 20**

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TOLUCA -TLC 15 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D7.9 TLC	**9466'**	***RT TLC**	**9466'**	**STD**

*IF TLC VOR OTS THEN RT H330 TO PTJ VOR

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
32	89.3	3793^19	3869^20	3894^21
30	89.6	3870^20	3948^21	3973^22
28	89.9	3951^21	4029^23	4054^23
26	90.2	4032^22	4110^24	4137^24
24	90.5	4115^24	4194^25	4221^26
22	90.8	4198^25	4278^26	4305^27
20	91.1	4271^26	4353^27	4380^28
18	90.9	4330^27	4411^28	4439^29
16	90.6	4337^27	4419^28	4447^29
14	90.4	4338^27	4421^28	4449^29
12	90.2	4339^27	4422^28	4450^29
10	89.9	4339^27	4422^28	4450^29
0	88.3	4337^27	4423^28	4452^29
-10	86.7	4321^27	4409^28	4439^29
-20	85.0	4315^26	4407^28	4437^29
-30	83.3	4304^26	4398^28	4430^29

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3793D19	3869D20	3894D21	3948
3870D20	3948D21	3973D22	4026
3951D21	4029D23	4054D23	4109
4032D22	4110D24	4137D24	4192
4115D24	4194D25	4221D26	4275
4198D25	4278D26	4305D27	4359
4271D26	4353D27	4380D28	4435
4330D27	4411D28	4439D29	4496
4337D27	4419D28	4447D29	4507
4338D27	4421D28	4449D29	4508
4339D27	4422D29	4450D29	4509
4339D27	4422D29	4450D29	4510
4337D27	4423D29	4452D29	4514
4321D27	4409D28	4439D29	4503
4315D27	4407D28	4437D29	4505
4304D26	4398D28	4430D29	4502

High QNH **+100** per .10" — Engine A/I ON **-6780**
Low QNH per .10" — Wing A/I ON **-6780**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
32	92.7	3801^19	3877^20	3865^20
30	93.0	3880^20	3956^21	3981^22
28	93.4	3961^21	4037^23	4063^23
26	93.9	4042^22	4120^24	4145^24
24	94.2	4126^24	4204^25	4230^26
22	94.4	4210^25	4289^26	4315^27
20	94.7	4284^26	4365^28	4391^28
18	94.5	4344^27	4424^29	4451^29
16	94.4	4353^27	4433^29	4460^29
14	94.1	4355^27	4436^29	4463^29
12	93.8	4356^27	4437^29	4465^29
10	93.5	4356^27	4438^29	4465^29
0	91.8	4354^27	4438^29	4466^29
-10	90.1	4337^27	4424^28	4453^29
-20	88.4	4331^27	4421^28	4451^29
-30	86.6	4319^27	4412^28	4443^29

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3801D19	3877D20	3865D21	3911
3880D20	3956D22	3981D22	4026
3961D21	4037D23	4063D23	4109
4042D23	4120D24	4145D25	4192
4126D24	4204D25	4230D26	4275
4210D25	4289D27	4315D27	4359
4284D26	4365D28	4391D28	4435
4344D27	4424D29	4451D29	4496
4353D27	4433D29	4460D29	4507
4355D27	4436D29	4463D29	4508
4356D27	4437D29	4465D29	4509
4356D27	4438D29	4465D29	4510
4354D27	4438D29	4466D29	4514
4337D27	4424D29	4453D29	4503
4331D27	4421D28	4451D29	4505
4319D27	4412D28	4443D29	4502

High QNH **+100** per .10" — Engine A/I ON **-6870**
Low QNH per .10" — Wing A/I ON **-6870**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
32	92.7	3918^26-26-35	3989^28-28-36	4010C28-28-36	4010C28-28-36
30	93.0	3999^28-28-36	4071^29-29-37	4087C29-29-38	4087C29-29-38
28	93.4	4081^29-29-38	4154^30-30-39	4170C31-31-39	4170C31-31-39
26	93.9	4165^30-30-39	4239^32-32-40	4253C32-32-40	4253C32-32-40
24	94.2	4251^32-32-40	4325^33-33-42	4336C33-33-42	4336C33-33-42
22	94.4	4337^33-33-42	4413^34-34-43	4420C35-35-43	4420C35-35-43
20	94.7	4415^34-34-43	4491^36-36-44	4502C36-36-44	4502C36-36-44
18	94.5	4476^35-35-44	4545C36-36-45	4545C36-36-45	4545C36-36-45
16	94.4	4486^35-35-44	4563^37-37-45	4569C37-37-45	4569C37-37-45
14	94.1	4488^35-35-44	4566^37-37-45	4573C37-37-45	4573C37-37-45
12	93.8	4490^35-35-44	4568^37-37-45	4574C37-37-45	4574C37-37-45
10	93.5	4490^35-35-44	4568^37-37-45	4576C37-37-45	4576C37-37-45
0	91.8	4488^35-35-44	4569^37-37-45	4581C37-37-45	4581C37-37-45
-10	90.1	4471^35-35-44	4554^36-36-45	4570C37-37-45	4570C37-37-45
-20	88.4	4465^35-35-44	4551^36-36-45	4575C37-37-45	4575C37-37-45
-30	86.6	4453^35-35-43	4542^36-36-45	4571C37-37-45	4571C37-37-45

High QNH **+100** per .10" — Engine A/I ON **-8170**
Low QNH per .10" — Wing A/I ON **-8170**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	8466	Length	13780	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.01
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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TAR Mexico **EMB-145** **AE3007A1**

A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
32	3801^19	3877^20	3865^20
30	3880^20	3956^21	3981^22
28	3961^21	4037^23	4063^23
26	4042^22	4120^24	4145^24
24	4126^24	4204^25	4230^26
22	4210^25	4289^26	4315^27
20	4284^26	4365^28	4391^28
18	4344^27	4424^29	4451^29
16	4353^27	4433^29	4460^29
14	4355^27	4436^29	4463^29
12	4356^27	4437^29	4465^29
10	4356^27	4438^29	4465^29
0	4354^27	4438^29	4466^29
-10	4337^27	4424^28	4453^29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6870**
Wing A/I ON **-6870**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
32	3797^19	3872^20	3897^21
30	3875^20	3952^21	3976^22
28	3956^21	4033^23	4058^23
26	4038^22	4116^24	4132^24
24	4122^24	4200^25	4226^26
22	4206^25	4285^26	4312^27
20	4277^26	4357^27	4384^28
18	4326^27	4413^28	4440^29
16	4350^27	4431^29	4458^29
14	4351^27	4432^29	4459^29
12	4351^27	4433^29	4460^29
10	4351^27	3750^18	3776^19
0	4075^23	4157^24	4185^25
-10	4236^25	4323^27	4351^27

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
32	3801D19	3877D20	3865D21
30	3880D20	3956D22	3981D22
28	3961D21	4037D23	4063D23
26	4042D23	4120D24	4145D25
24	4126D24	4204D25	4230D26
22	4210D25	4289D27	4315D27
20	4284D26	4365D28	4391D28
18	4344D27	4424D29	4451D29
16	4353D27	4433D29	4460D29
14	4355D27	4436D29	4463D29
12	4356D27	4437D29	4465D29
10	4356D27	4438D29	4465D29
0	4354D27	4438D29	4466D29
-10	4337D27	4424D29	4453D29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6870**
Wing A/I ON **-6870**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
32	3797D19	3872D20	3897D21
30	3875D20	3952D21	3976D22
28	3956D21	4033D23	4058D23
26	4038D23	4116D24	4132D24
24	4122D24	4200D25	4226D26
22	4206D25	4285D27	4312D27
20	4277D26	4357D28	4384D28
18	4326D27	4413D28	4440D29
16	4350D27	4431D29	4458D29
14	4351D27	4432D29	4459D29
12	4351D27	4433D29	4460D29
10	3678^17	3750D18	3776D19
0	4075D23	4157D24	4185D25
-10	4236D25	4323D27	4351D28

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3919^ 7	4012^16	4044^19
26	3985^ 8	4092^17	4124^20
24	4050^ 8	4174^17	4206^20
22	4115^ 9	4257^17	4289^20
20	4181^ 9	4330^18	4363^21
18	4224^10	4389^18	4422^21
16	4259^10	4401^19	4435^22
14	4276^11	4406^20	4439^23
12	4288^11	4409^20	4442^23
10	4299^12	4410^21	4444^24
0	4314^14	4418^23	4453^27
-10	4305^17	4412^26	4448^29
-20	4306^19	4415^28	4445^29
-30	4302^22	4407^28	4438^29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6620**
Wing A/I ON **-6620**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3715^10	3895^17	3964^20
26	3781^11	3961^18	4029^20
24	3849^11	4029^19	4096^21
22	3916^12	4098^19	4167^22
20	3984^12	4167^20	4237^22
18	4032^13	4219^21	4290^23
16	4073^14	4265^22	4337^24
14	4091^14	4287^22	4360^24
12	4104^15	4303^22	4377^25
10	4115^15	4315^23	4390^25
0	4166^17	4377^25	4426^27
-10	4214^19	4388^27	4425^28
-20	4271^21	4393^28	4424^28
-30	4275^23	4385^28	4417^28

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-5820**
Wing A/I ON **-5820**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 8466 Length 13780 Shift **0** Clearway 0 Stopway 0 Slope +0.01
Rwy Rev. Program Rules FAA **26 Oct 17**

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TOLUCA -TLC 33 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D8.6 TLC	**9466'**	***LT TLC**	**9466'**	**STD**

*IF TLC VOR OTS THEN LT H143 TO TEQ VOR

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
32	89.3	3793^19	3869^20	3894^21	3793D19	3869D20	3894D21	3948
30	89.6	3871^20	3948^21	3974^22	3871D20	3948D21	3974D22	4026
28	89.9	3951^21	4029^23	4054^23	3951D21	4029D23	4054D23	4109
26	90.2	4033^22	4111^24	4137^24	4033D22	4111D24	4137D24	4192
24	90.5	4116^24	4194^25	4221^26	4116D24	4194D25	4221D26	4275
22	90.8	4198^25	4278^26	4305^27	4198D25	4278D26	4305D27	4359
20	91.1	4272^26	4353^27	4380^28	4272D26	4353D27	4380D28	4435
18	90.9	4330^27	4412^28	4439^29	4330D27	4412D28	4439D29	4496
16	90.6	4337^27	4419^28	4447^29	4337D27	4419D28	4447D29	4507
14	90.4	4338^27	4421^28	4449^29	4338D27	4421D28	4449D29	4508
12	90.2	4339^27	4422^28	4450^29	4339D27	4422D29	4450D29	4509
10	89.9	4339^27	4423^28	4451^29	4339D27	4423D29	4451D29	4510
0	88.3	4337^27	4423^28	4452^29	4337D27	4423D29	4452D29	4514
-10	86.7	4321^27	4410^28	4439^29	4321D27	4410D28	4439D29	4503
-20	85.0	4315^26	4407^28	4437^29	4315D27	4407D28	4437D29	4505
-30	83.3	4304^26	4398^28	4430^29	4304D26	4398D28	4430D29	4502

High QNH **+100** per .10" Engine A/I ON **-6780**
Low QNH per .10" Wing A/I ON **-6780**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
32	92.7	3801^19	3877^20	3893^21	3801D19	3877D20	3893D21	3939
30	93.0	3880^20	3956^21	3981^22	3880D20	3956D22	3981D22	4026
28	93.4	3961^21	4037^23	4063^23	3961D21	4037D23	4063D23	4109
26	93.9	4042^22	4120^24	4146^24	4042D23	4120D24	4146D25	4192
24	94.2	4126^24	4204^25	4230^26	4126D24	4204D25	4230D26	4275
22	94.4	4210^25	4289^26	4315^27	4210D25	4289D27	4315D27	4359
20	94.7	4284^26	4365^28	4391^28	4284D26	4365D28	4391D28	4435
18	94.5	4344^27	4424^29	4451^29	4344D27	4424D29	4451D29	4496
16	94.4	4353^27	4434^29	4460^29	4353D27	4434D29	4460D29	4507
14	94.1	4355^27	4436^29	4463^29	4355D27	4436D29	4463D29	4508
12	93.8	4356^27	4438^29	4465^29	4356D27	4438D29	4465D29	4509
10	93.5	4356^27	4438^29	4465^29	4356D27	4438D29	4465D29	4510
0	91.8	4354^27	4439^29	4467^29	4354D27	4439D29	4467D29	4514
-10	90.1	4337^27	4424^28	4453^29	4337D27	4424D29	4453D29	4503
-20	88.4	4331^27	4421^28	4451^29	4331D27	4421D28	4451D29	4505
-30	86.6	4319^27	4412^28	4443^29	4319D27	4412D28	4443D29	4502

High QNH **+100** per .10" Engine A/I ON **-6870**
Low QNH per .10" Wing A/I ON **-6870**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
32	92.7	3919^26-26-35	3990^28-28-36	4010C28-28-36	4010C28-28-36
30	93.0	3999^28-28-36	4071^29-29-37	4087C29-29-38	4087C29-29-38
28	93.4	4081^29-29-38	4154^30-30-39	4170C31-31-39	4170C31-31-39
26	93.9	4165^30-30-39	4239^32-32-40	4253C32-32-40	4253C32-32-40
24	94.2	4251^32-32-40	4326^33-33-42	4336C33-33-42	4336C33-33-42
22	94.4	4338^33-33-42	4413^34-34-43	4420C35-35-43	4420C35-35-43
20	94.7	4415^34-34-43	4491^36-36-44	4502C36-36-44	4502C36-36-44
18	94.5	4476^35-35-44	4545C36-36-45	4545C36-36-45	4545C36-36-45
16	94.4	4486^35-35-44	4563^37-37-45	4569C37-37-45	4569C37-37-45
14	94.1	4489^35-35-44	4566^37-37-45	4573C37-37-45	4573C37-37-45
12	93.8	4490^35-35-44	4568^37-37-45	4574C37-37-45	4574C37-37-45
10	93.5	4490^35-35-44	4568^37-37-45	4576C37-37-45	4576C37-37-45
0	91.8	4488^35-35-44	4569^37-37-45	4581C37-37-45	4581C37-37-45
-10	90.1	4471^35-35-44	4554^36-36-45	4570C37-37-45	4570C37-37-45
-20	88.4	4465^35-35-44	4551^36-36-45	4575C37-37-45	4575C37-37-45
-30	86.6	4453^35-35-44	4542^36-36-45	4571C37-37-45	4571C37-37-45

High QNH **+100** per .10" Engine A/I ON **-7040**
Low QNH per .10" Wing A/I ON **-7040**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 8466 Length 13780 Shift **0** Clearway 0 Stopway 0 Slope -0.01
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
32	3801^19	3877^20	3893^21
30	3880^20	3956^21	3981^22
28	3961^21	4037^23	4063^23
26	4042^22	4120^24	4146^24
24	4126^24	4204^25	4230^26
22	4210^25	4289^26	4315^27
20	4284^26	4365^28	4391^28
18	4344^27	4424^29	4451^29
16	4353^27	4434^29	4460^29
14	4355^27	4436^29	4463^29
12	4356^27	4438^29	4465^29
10	4356^27	4438^29	4465^29
0	4354^27	4439^29	4467^29
-10	4337^27	4424^28	4453^29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6870**
Wing A/I ON **-6870**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
32	3797^19	3873^20	3898^21
30	3875^20	3952^21	3977^22
28	3957^21	4033^23	4059^23
26	4038^22	4116^24	4142^24
24	4123^24	4200^25	4226^26
22	4206^25	4286^26	4312^27
20	4278^26	4358^27	4384^28
18	4333^27	4413^28	4441^29
16	4350^27	4431^29	4458^29
14	4351^27	4433^29	4460^29
12	4352^27	4433^29	4460^29
10	3672^17	3750^18	3776^19
0	4075^23	4157^24	4185^25
-10	4236^25	4323^27	4352^27

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
32	3801D19	3877D20	3893D21
30	3880D20	3956D22	3981D22
28	3961D21	4037D23	4063D23
26	4042D23	4120D24	4146D25
24	4126D24	4204D25	4230D26
22	4210D25	4289D27	4315D27
20	4284D26	4365D28	4391D28
18	4344D27	4424D29	4451D29
16	4353D27	4434D29	4460D29
14	4355D27	4436D29	4463D29
12	4356D27	4438D29	4465D29
10	4356D27	4438D29	4465D29
0	4354D27	4439D29	4467D29
-10	4337D27	4424D29	4453D29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6870**
Wing A/I ON **-6870**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
32	3797D19	3873D20	3898D21
30	3875D20	3952D21	3977D22
28	3957D21	4033D23	4059D23
26	4038D23	4116D24	4142D24
24	4123D24	4200D25	4226D26
22	4206D25	4286D27	4312D27
20	4278D26	4358D28	4384D28
18	4333D27	4413D28	4441D29
16	4350D27	4431D29	4458D29
14	4351D27	4433D29	4460D29
12	4352D27	4433D29	4460D29
10	3672D17	3750D18	3776D19
0	4075D23	4157D24	4185D25
-10	4236D25	4323D27	4352D28

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3919^ 7	4012^16	4044^19
26	3999^ 8	4092^17	4124^20
24	4080^ 8	4174^17	4207^20
22	4161^ 8	4257^17	4289^20
20	4235^ 9	4331^18	4363^21
18	4292^ 9	4389^18	4423^21
16	4303^10	4401^19	4435^22
14	4307^10	4406^20	4439^23
12	4309^11	4409^20	4443^23
10	4310^11	4411^21	4444^24
0	4314^14	4418^23	4453^26
-10	4305^16	4412^26	4448^29
-20	4306^19	4415^28	4445^29
-30	4302^22	4407^28	4438^29

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6620**
Wing A/I ON **-6620**

LEVEL 2 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3759F10	3949^17	4000^19
26	3825F10	4018^17	4078^20
24	3893F11	4087^18	4152^20
22	3964F11	4160^19	4225^21
20	4034F12	4232^19	4298^22
18	4085F13	4285^20	4352^22
16	4130F13	4331^21	4393^23
14	4151F14	4353^21	4401^24
12	4166F14	4368^22	4407^25
10	4176F15	4370^22	4410^25
0	4233F16	4385^24	4427^27
-10	4265^18	4389^27	4425^28
-20	4272^21	4393^28	4424^28
-30	4275^23	4385^28	4417^28

High QNH **+100** per .10"
Low QNH per .10"

Engine A/I ON **-6370**
Wing A/I ON **-6370**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 8466 Length 13780 Shift **0** Clearway 0 Stopway 0 Slope -0.01
Rwy Rev. Program Rules FAA **26 Oct 17**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		4688'		**LT H330**	**4688'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	88.2	4076^22	4225^25	4276^26	4044^13	4225D22	4276D25	4391
40	88.5	4144^23	4297^26	4349^27	4108^13	4297D22	4349D25	4480
38	88.7	4210^24	4366^27	4419^28	4170^14	4366D23	4419D26	4567
36	88.9	4276^25	4435^28	4489^29	4232^14	4435D24	4489D27	4654
34	89.1	4340^26	4501^29	4557^30	4291^15	4501D24	4557D27	4735
32	89.3	4393^27	4557^30	4613^31	4342^15	4557D25	4613D28	4816
30	89.5	4438^27	4604^30	4661^31	4385^15	4604D25	4661D28	4876
28	89.2	4458^28	4625^31	4682^32	4405^16	4625D25	4682D29	4896
26	89.0	4472^28	4640^31	4696^32	4420^16	4640D26	4696D29	4916
24	88.7	4484^28	4652^31	4708^32	4433^17	4652D26	4708D29	4920
22	88.4	4492^28	4660^31	4717^32	4444^17	4660D27	4717D30	4922
20	88.2	4502^28	4670^31	4727^32	4455^17	4670D27	4727D30	4924
10	86.7	4548^29	4716^32	4773^33	4510^19	4716D29	4773D32	4931
0	85.1	4585^30	4752^33	4809^34	4559^21	4752D31	4809D34	4922
-10	83.6	4629^31	4796^34	4854^35	4614^23	4796D33	4854D35	4928
-20	82.0	4671^31	4838^34	4896^35	4668^25	4838D35	4896D35	4928

High QNH **+50** per .10" Engine A/I ON **-660**
Low QNH **-150** per .10" Wing A/I ON **-660**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	91.5	4132^23	4277^26	4326^27	4094^14	4277D24	4326D27	4391
40	91.8	4203^24	4351^27	4402^28	4160^15	4351D24	4402D27	4480
38	92.3	4270^25	4421^28	4473^29	4222^15	4421D25	4473D28	4567
36	92.7	4337^26	4492^29	4544^30	4284^16	4492D25	4544D28	4654
34	93.0	4402^27	4559^30	4613^31	4344^16	4559D26	4613D29	4735
32	92.9	4458^28	4618^31	4673^32	4397^16	4618D26	4673D29	4816
30	92.9	4509^29	4671^32	4726^32	4445^17	4670^27	4726D30	4876
28	92.7	4533^29	4694^32	4750^33	4468^18	4694D27	4750D30	4896
26	92.5	4555^29	4718^32	4773^33	4492^18	4718D28	4773D31	4916
24	92.2	4567^30	4730^32	4785^33	4505^19	4730D28	4785D31	4920
22	91.9	4576^30	4738^33	4794^34	4517^19	4738D29	4794D32	4922
20	91.6	4586^30	4747^33	4803^34	4528^19	4747D29	4803D32	4924
10	90.0	4630^31	4791^33	4847^34	4585^21	4791D31	4847D34	4931
0	88.4	4663^31	4825^34	4881^35	4634^23	4825D33	4881D36	4922
-10	86.8	4706^32	4868^35	4914^36	4691^25	4868D35	4914D36	4928
-20	85.1	4744^33	4873^35	4910^35	4744D28	4873D35	4910D36	4928

High QNH **+0** per .10" Engine A/I ON **-700**
Low QNH **-160** per .10" Wing A/I ON **-700**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
42	91.5	4132^23-23-33	4277^26-26-35	4326^27-27-36	4377^28-28-37
40	91.8	4203^24-24-34	4351^27-27-36	4402^28-28-37	4453^29-29-38
38	92.3	4270^25-25-35	4421^28-28-37	4473^29-29-38	4526^30-30-39
36	92.7	4337^26-26-36	4492^29-29-38	4544^30-30-39	4598^31-31-40
34	93.0	4402^27-27-37	4559^30-30-39	4613^31-31-40	4668^32-32-41
32	92.9	4458^28-28-38	4618^31-31-40	4673^32-32-41	4729^33-33-42
30	92.9	4509^29-29-39	4671^32-32-41	4726^32-32-42	4783^33-33-43
28	92.7	4533^29-29-39	4694^32-32-41	4750^33-33-42	4806^34-34-43
26	92.5	4555^29-29-39	4718^32-32-42	4773^33-33-43	4830^34-34-43
24	92.2	4567^30-30-40	4730^32-32-42	4785^33-33-43	4842^34-34-44
22	91.9	4576^30-30-40	4738^33-33-42	4794^34-34-43	4851^34-34-44
20	91.6	4586^30-30-40	4747^33-33-42	4803^34-34-43	4860^35-35-44
10	90.0	4630^31-31-40	4791^33-33-43	4847^34-34-44	4904^35-35-44
0	88.4	4663^31-31-41	4825^34-34-43	4881^35-35-44	4922C36-36-45
-10	86.8	4706^32-32-42	4868^35-35-44	4914^36-36-45	4928C36-36-45
-20	85.1	4744^33-33-42	4873^35-35-44	4910^35-35-45	4953C42-42-51

High QNH **+0** per .10" Engine A/I ON **-700**
Low QNH **-160** per .10" Wing A/I ON **-700**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	3688	Length	9039	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.08
Rwy Rev.		Program						Rules	FAA		**10 Feb 20**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
42	4132^23	4277^26	4326^27
40	4203^24	4351^27	4402^28
38	4270^25	4421^28	4473^29
36	4337^26	4492^29	4544^30
34	4402^27	4559^30	4613^31
32	4458^28	4618^31	4673^32
30	4509^29	4671^32	4726^32
28	4533^29	4694^32	4750^33
26	4555^29	4718^32	4773^33
24	4567^30	4730^32	4785^33
22	4576^30	4738^33	4794^34
20	4586^30	4747^33	4803^34
10	4630^31	4791^33	4847^34
0	4663^31	4825^34	4881^35

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-700**
Wing A/I ON **-700**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
42	4124^23	4269^26	4319^27
40	4195^24	4343^27	4394^28
38	4262^25	4414^28	4465^29
36	4329^26	4484^29	4537^30
34	4394^27	4552^30	4605^31
32	4451^28	4611^31	4666^32
30	4501^29	4665^31	4720^32
28	4526^29	4687^32	4742^33
26	4549^29	4711^32	4766^33
24	4560^29	4722^32	4778^33
22	4569^30	4731^32	4787^33
20	4577^30	4740^33	4796^34
10	4562^30	4719^33	4774^34
0	4603^31	4762^33	4816^34

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
42	4094^14	4277D24	4326D27
40	4160^15	4351D24	4402D27
38	4222^15	4421D25	4473D28
36	4284^16	4492D25	4544D28
34	4344^16	4559D26	4613D29
32	4397^16	4618D26	4673D29
30	4445^17	4670^27	4726D30
28	4468^18	4694D27	4750D30
26	4492^18	4718D28	4773D31
24	4505^19	4730D28	4785D31
22	4517^19	4738D29	4794D32
20	4528^19	4747D29	4803D32
10	4585^21	4791D31	4847D34
0	4634^23	4825D33	4881D36

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-700**
Wing A/I ON **-700**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
42	4087^14	4269D23	4319D26
40	4153^14	4343D24	4394D27
38	4215^15	4414D24	4465D27
36	4277^15	4484D25	4537D28
34	4338^16	4552D25	4605D28
32	4391^16	4611D26	4666D29
30	4439^17	4664^27	4720D30
28	4462^17	4687D27	4742D30
26	4486^18	4711D28	4766D31
24	4499^18	4722D28	4778D31
22	4510^19	4731D29	4787D32
20	4521^19	4740D29	4796D32
10	4526^21	4719D31	4774D34
0	4582^23	4762D33	4816D35

High QNH **+50** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3679F97	4221F 5	4293^ 8
26	3787F97	4245F 5	4314^ 9
24	3864F97	4259F 6	4326^ 9
22	3976F97	4270F 6	4336^ 9
20	4040F97	4281F 6	4347^10
18	4053F97	4294F 7	4358^10
16	4063F98	4304^ 7	4369^10
14	4075F98	4315^ 8	4381^11
12	4084F98	4325^ 8	4393^11
10	4097F99	4335^ 8	4404^12
0	4147F 1	4381^11	4457^14
-10	4207F 3	4442^13	4520^16
-20	4265F 5	4501^15	4582^18
-30	4326F 7	4561^17	4645^21

High QNH **+60** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-610**
Wing A/I ON **-610**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3618F 0	3903F 9	4023F11
26	3650F 1	3940F 9	4057F12
24	3663F 1	3954F 9	4075F12
22	3673F 1	3966F10	4094F12
20	3687F 2	3978F10	4114F12
18	3698F 2	3991F10	4134F13
16	3711F 2	4003F11	4152F13
14	3726F 2	4021F11	4172F13
12	3739F 3	4040F11	4192F14
10	3751F 3	4057F12	4211F14
0	3818F 5	4154F13	4242^14
-10	3880F 6	4204^14	4244^14
-20	3943F 8	4200^14	4241^14
-30	3998^10	4191^14	4234^14

High QNH **+0** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-290**
Wing A/I ON **-290**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	3688	Length	9039	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.08
Rwy Rev.		Program						Rules	FAA		**10 Feb 20**

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TAR Mexico **EMB-145** **AE3007A1**

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		4688'		**RT H340**	**4688'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	88.2	3966^20	4110^23	4158^24	3960^13	4110D23	4158D25	4391
40	88.5	4033^21	4180^24	4230^25	4024^14	4180D23	4230D26	4480
38	88.7	4099^22	4248^25	4300^26	4085^14	4248D24	4300D27	4567
36	88.9	4163^23	4316^26	4369^27	4147^15	4316D24	4369D27	4654
34	89.1	4226^24	4381^27	4435^28	4206^15	4381D25	4435D28	4735
32	89.3	4279^25	4436^28	4491^29	4257^16	4436D25	4491D28	4816
30	89.5	4323^25	4482^28	4539^29	4299^16	4482D26	4539D29	4876
28	89.2	4343^26	4502^29	4557^29	4319^17	4502D26	4557D29	4896
26	89.0	4356^26	4516^29	4572^30	4333^17	4516D26	4572D30	4916
24	88.7	4366^26	4527^29	4583^30	4346^17	4527D27	4583D30	4920
22	88.4	4374^26	4536^29	4591^30	4356^18	4536D27	4591D30	4922
20	88.2	4383^26	4544^29	4600^30	4366^18	4544D28	4600D31	4924
10	86.7	4424^27	4586^30	4641^31	4416^20	4586D30	4641D32	4931
0	85.1	4455^28	4613^30	4668^31	4455D22	4613D31	4668D32	4922
-10	83.6	4491^28	4650^31	4705^32	4491D24	4650D32	4705D33	4928
-20	82.0	4523^29	4683^32	4737^33	4523D26	4683D32	4737D33	4928

High QNH **+40** per .10" Engine A/I ON **-700**
Low QNH **-150** per .10" Wing A/I ON **-700**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
42	91.5	4012^21	4149^24	4196^25	4005^15	4149D24	4196D26	4391
40	91.8	4083^22	4224^25	4272^26	4073^15	4224D25	4272D27	4480
38	92.3	4150^23	4294^26	4343^27	4135^16	4294D25	4343D28	4567
36	92.7	4216^24	4365^27	4415^28	4196^16	4365D26	4415D29	4654
34	93.0	4280^25	4433^28	4484^29	4256^17	4433D26	4484D29	4735
32	92.9	4336^26	4491^29	4543^29	4309^17	4491D27	4543D30	4816
30	92.9	4385^26	4542^29	4595^30	4356^18	4542D27	4595D30	4876
28	92.7	4407^27	4563^30	4615^31	4378^18	4563D28	4615D31	4896
26	92.5	4428^27	4584^30	4637^31	4401^19	4584D29	4637D32	4916
24	92.2	4439^27	4594^30	4647^31	4413^19	4594D29	4647D32	4920
22	91.9	4447^27	4602^30	4654^31	4423^20	4602D29	4654D32	4922
20	91.6	4455^28	4609^30	4662^31	4435^20	4609D30	4662D32	4924
10	90.0	4491^28	4645^31	4698^32	4484^22	4645D32	4698D33	4931
0	88.4	4516^29	4670^31	4723^32	4516D24	4670D32	4723D33	4922
-10	86.8	4550^29	4704^32	4757^33	4550D26	4704D33	4757D34	4928
-20	85.1	4581^30	4734^32	4788^33	4581D29	4734D33	4788D34	4928

High QNH **+40** per .10" Engine A/I ON **-740**
Low QNH **-150** per .10" Wing A/I ON **-740**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
42	91.5	4012^21-21-31	4149^24-24-33	4196^25-25-34	4244^26-26-35
40	91.8	4083^22-22-32	4224^25-25-34	4272^26-26-35	4321^27-27-36
38	92.3	4150^23-23-33	4294^26-26-36	4343^27-27-36	4393^28-28-37
36	92.7	4216^24-24-34	4365^27-27-37	4415^28-28-37	4466^29-29-38
34	93.0	4280^25-25-35	4433^28-28-38	4484^29-29-38	4536^30-30-39
32	92.9	4336^26-26-36	4491^29-29-38	4543^29-29-39	4596^30-30-40
30	92.9	4385^26-26-37	4542^29-29-39	4595^30-30-40	4648^31-31-41
28	92.7	4407^27-27-37	4563^30-30-40	4615^31-31-40	4670^31-31-41
26	92.5	4428^27-27-38	4584^30-30-40	4637^31-31-41	4690^32-32-41
24	92.2	4439^27-27-38	4594^30-30-40	4647^31-31-41	4700^32-32-42
22	91.9	4447^27-27-38	4602^30-30-40	4654^31-31-41	4708^32-32-42
20	91.6	4455^28-28-38	4609^30-30-40	4662^31-31-41	4715^32-32-42
10	90.0	4491^28-28-38	4645^31-31-41	4698^32-32-41	4751^33-33-42
0	88.4	4516^29-29-39	4670^31-31-41	4723^32-32-42	4776^33-33-43
-10	86.8	4550^29-29-39	4704^32-32-42	4757^33-33-42	4811^34-34-43
-20	85.1	4581^30-30-40	4734^32-32-42	4788^33-33-43	4842^34-34-44

High QNH **+40** per .10" Engine A/I ON **-740**
Low QNH **-150** per .10" Wing A/I ON **-740**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 3688 Length 9039 Shift **0** Clearway 0 Stopway 0 Slope +0.08
Rwy Rev. Program Rules FAA **10 Feb 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	4012^21	4149^24	4196^25	4005^21	4142^24	4189^25			
40	4083^22	4224^25	4272^26	4076^22	4217^25	4265^26			
38	4150^23	4294^26	4343^27	4143^23	4288^26	4337^27			
36	4216^24	4365^27	4415^28	4209^24	4358^27	4408^28			
34	4280^25	4433^28	4484^29	4273^25	4426^28	4477^29			
32	4336^26	4491^29	4543^29	4329^26	4485^28	4537^29			
30	4385^26	4542^29	4595^30	4379^26	4536^29	4589^30			
28	4407^27	4563^30	4615^31	4400^27	4557^29	4610^30			
26	4428^27	4584^30	4637^31	4422^27	4578^30	4631^31			
24	4439^27	4594^30	4647^31	4432^27	4588^30	4640^31			
22	4447^27	4602^30	4654^31	4440^27	4595^30	4648^31			
20	4455^28	4609^30	4662^31	4448^27	4603^30	4655^31			
10	4491^28	4645^31	4698^32	4419^27	4570^30	4621^31			
0	4516^29	4670^31	4723^32	4454^28	4604^31	4656^31			
	High QNH +40 per .10"			High QNH +40 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -740			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -740			Wing A/I ON +0			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
42	4005^15	4149D24	4196D26	3999^15	4142D24	4189D25			
40	4073^15	4224D25	4272D27	4066^15	4217D25	4265D27			
38	4135^16	4294D25	4343D28	4128^16	4288D25	4337D28			
36	4196^16	4365D26	4415D29	4190^16	4358D26	4408D29			
34	4256^17	4433D26	4484D29	4250^16	4426D26	4477D29			
32	4309^17	4491D27	4543D30	4303^17	4485D27	4537D30			
30	4356^18	4542D27	4595D30	4350^18	4536D27	4589D30			
28	4378^18	4563D28	4615D31	4372^18	4557D28	4610D31			
26	4401^19	4584D29	4637D32	4395^19	4578D28	4631D32			
24	4413^19	4594D29	4647D32	4407^19	4588D29	4640D32			
22	4423^20	4602D29	4654D32	4418^19	4595D29	4648D32			
20	4435^20	4609D30	4662D32	4428^20	4603D30	4655D32			
10	4484^22	4645D32	4698D33	4419D22	4570D31	4621D32			
0	4516D24	4670D32	4723D33	4454D24	4604D31	4656D32			
	High QNH +40 per .10"			High QNH +40 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -150 per .10"			Low QNH per .10"		
	Engine A/I ON -740			Engine A/I ON +0			Engine A/I ON		
	Wing A/I ON -740			Wing A/I ON +0			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3810F97	4156^ 6	4224^ 9	3606F 1	3892^ 9	4029F11			
26	3928F97	4178^ 6	4247^ 9	3637F 1	3927^ 9	4066F12			
24	4006F97	4190^ 7	4260^10	3650F 1	3941F10	4084F12			
22	4017F97	4201^ 7	4270^10	3662F 2	3954F10	4101F12			
20	4025^97	4212^ 7	4282^10	3674F 2	3972F10	4121F13			
18	4035^98	4223^ 8	4294^11	3684F 2	3990F10	4139F13			
16	4046^98	4234^ 8	4305^11	3700F 3	4008F11	4160F13			
14	4055^99	4245^ 8	4317^12	3711F 3	4027F11	4179F13			
12	4064^99	4255^ 9	4328^12	3724F 3	4046F11	4199F14			
10	4073^99	4266^ 9	4339^12	3739F 3	4063F12	4220F14			
0	4114^ 1	4316^11	4390^15	3801^ 5	4160F13	4233F14			
-10	4164^ 3	4373^13	4452^17	3863^ 7	4202^14	4243^14			
-20	4213^ 5	4431^16	4512^19	3925^ 9	4198^14	4240^14			
-30	4262^ 8	4488^18	4572^22	3988F10	4189^14	4233^14			
	High QNH +60 per .10"			High QNH +0 per .10"			High QNH per .10"		
	Low QNH -80 per .10"			Low QNH -110 per .10"			Low QNH per .10"		
	Engine A/I ON -560			Engine A/I ON -290			Engine A/I ON		
	Wing A/I ON -560			Wing A/I ON -290			Wing A/I ON		

Elevation 3688 Length 9039 Shift **0** Clearway 0 Stopway 0 Slope +0.08

Rwy Rev. Program Rules FAA **10 Feb 20**

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TAR Mexico **EMB-145** **AE3007A1**

TUXTLA GUTIERREZ (TGZ / MMTG) COMPLEX SPECIAL PROCEDURES

Takeoff - Runway 14

AIRCRAFT	MINIMUMS	MAX CROSSWIND	OTHER
ALL			**TGZ VOR REQUIRED**

Engine Failure During Takeoff:

BELOW 3100'

1) Climb via TGZ R-145.
2) Reaching 2800', accelerate, retract flaps, set MCT/MCP and continue climb.
3) At D26.0 TGZ, LEFT turn TGZ.
4) At TGZ VOR, hold on inbound track, STANDARD.
5) Reaching 11000', resume own navigation.

AT OR ABOVE 3100'

Continue on SID.

Other Considerations:

Takeoff - Runway 32

AIRCRAFT	MINIMUMS	MAX CROSSWIND	OTHER
ALL			**TGZ VOR REQUIRED**

Engine Failure During Takeoff:

BELOW 1900'

1) Climb at V2 via TGZ R-325.
2) At D3.0 TGZ LEFT turn H120 to intercept and track TGZ R-145.
3) Reaching 2500', accelerate, retract flaps, set MCT/MCP and continue climb.
4) At D26.0 TGZ, LEFT turn TGZ
5) At TGZ VOR, hold on inbound track, STANDARD.
6) Reaching 11000', resume own navigation.

AT OR ABOVE 1900' AND BELOW 5900'

1) Immediate RIGHT turn TGZ.
2) At TGZ VOR, hold on inbound track, LEFT TURNS.
3) Reaching 11000', resume own navigation.

AT OR ABOVE 5900'

Continue on SID.

Other Considerations:

TUXTLA GUTIERREZ (TGZ / MMTG) COMPLEX SPECIAL PROCEDURES

INTENTIONALLY BLANK

TUXTLA GUTIERREZ -TGZ 14 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD

SEE COMPLEX SPECIAL

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.7	4120^22	4288^26	4340^27	4076^11	4288D21	4340D24	4572
44	88.0	4190^23	4364^27	4417^28	4143^11	4364D21	4417D24	4673
42	88.2	4260^24	4438^28	4494^29	4207^12	4438D22	4494D25	4774
40	88.3	4317^25	4498^28	4555^29	4261^12	4497^22	4555D25	4862
38	88.1	4354^26	4538^29	4595^30	4298^13	4535^23	4595D26	4942
36	87.9	4377^26	4562^29	4620^30	4320^13	4559^23	4620D26	4954
34	87.7	4387^26	4571^30	4630^31	4331^13	4571^23	4630D27	4955
32	87.5	4396^26	4580^30	4639^31	4342^14	4580D24	4639D27	4957
30	87.2	4405^27	4589^30	4647^31	4353^14	4589D24	4647D27	4958
28	87.0	4415^27	4599^30	4657^31	4365^14	4599D24	4657D28	4960
26	86.7	4425^27	4608^30	4666^31	4375^15	4608D25	4666D28	4961
24	86.4	4434^27	4618^30	4675^31	4387^15	4618D25	4675D28	4963
20	85.8	4453^27	4637^31	4694^32	4410^16	4637D26	4694D29	4966
10	84.3	4498^28	4679^31	4735^32	4463^18	4679D28	4735D31	4968
0	82.8	4546^29	4726^32	4779^33	4521^20	4726D30	4779D33	4967
-10	81.3	4594^30	4769^33	4822^34	4580^22	4769D32	4822D35	4972

High QNH **+40** per .10" Engine A/I ON **-550**
Low QNH **-150** per .10" Wing A/I ON **-550**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	91.0	4188^24	4346^27	4393^28	4132^12	4346D22	4393D25	4572
44	91.3	4262^25	4425^28	4475^29	4200^13	4425D23	4475D26	4673
42	91.5	4334^26	4502^29	4554^30	4266^13	4500^23	4554D26	4774
40	91.7	4398^27	4569^30	4622^31	4326^14	4563^24	4622D27	4862
38	91.5	4444^27	4618^30	4670^31	4368^14	4610^24	4670D28	4942
36	91.4	4472^28	4645^31	4698^32	4395^15	4638^25	4698D28	4954
34	91.2	4486^28	4658^31	4711^32	4410^15	4653^25	4711D29	4955
32	90.9	4496^28	4668^31	4720^32	4423^16	4665^26	4720D29	4957
30	90.6	4507^28	4678^31	4730^32	4435^16	4678^26	4730D30	4958
28	90.3	4516^29	4687^32	4738^32	4446^16	4687D27	4738D30	4960
26	90.0	4525^29	4696^32	4747^33	4458^17	4696D27	4747D30	4961
24	89.6	4535^29	4705^32	4755^33	4469^17	4705D27	4755D31	4963
20	89.0	4553^29	4722^32	4772^33	4492^18	4722D28	4772D31	4966
10	87.5	4595^30	4761^33	4808^34	4546^20	4761D30	4808D34	4968
0	85.9	4642^31	4802^33	4849^34	4606^22	4802D32	4849D35	4967
-10	84.3	4688^32	4843^34	4891^35	4667^24	4843D34	4891D35	4972

High QNH **+20** per .10" Engine A/I ON **-710**
Low QNH **-150** per .10" Wing A/I ON **-710**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	91.0	4188^24-24-34	4346^27-27-36	4393^28-28-37	4437^28-28-38
44	91.3	4262^25-25-35	4425^28-28-37	4475^29-29-38	4521^30-30-39
42	91.5	4334^26-26-36	4502^29-29-39	4554^30-30-39	4602^31-31-40
40	91.7	4398^27-27-37	4569^30-30-40	4622^31-31-40	4671^32-32-41
38	91.5	4444^27-27-38	4618^30-30-40	4670^31-31-41	4719^32-32-42
36	91.4	4472^28-28-38	4645^31-31-41	4698^32-32-41	4747^33-33-42
34	91.2	4486^28-28-38	4658^31-31-41	4711^32-32-42	4759^33-33-42
32	90.9	4496^28-28-38	4668^31-31-41	4720^32-32-42	4768^33-33-42
30	90.6	4507^28-28-39	4678^31-31-41	4730^32-32-42	4777^33-33-43
28	90.3	4516^29-29-39	4687^32-32-41	4738^32-32-42	4785^33-33-43
26	90.0	4525^29-29-39	4696^32-32-41	4747^33-33-42	4794^33-33-43
24	89.6	4535^29-29-39	4705^32-32-42	4755^33-33-42	4802^34-34-43
20	89.0	4553^29-29-39	4722^32-32-42	4772^33-33-43	4818^34-34-43
10	87.5	4595^30-30-40	4761^33-33-42	4808^34-34-43	4857^34-34-44
0	85.9	4642^31-31-41	4802^33-33-43	4849^34-34-44	4911^35-35-45
-10	84.3	4688^32-32-41	4843^34-34-44	4891^35-35-44	4935^36-36-45

High QNH **+20** per .10" Engine A/I ON **-710**
Low QNH **-150** per .10" Wing A/I ON **-710**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 1491 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope -0.20
Rwy Rev. Program Rules FAA **31 Aug 16**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	4188^24	4346^27	4393^28
44	4262^25	4425^28	4475^29
42	4334^26	4502^29	4554^30
40	4398^27	4569^30	4622^31
38	4444^27	4618^30	4670^31
36	4472^28	4645^31	4698^32
34	4486^28	4658^31	4711^32
32	4496^28	4668^31	4720^32
30	4507^28	4678^31	4730^32
28	4516^29	4687^32	4738^32
26	4525^29	4696^32	4747^33
24	4535^29	4705^32	4755^33
20	4553^29	4722^32	4772^33
10	4595^30	4761^33	4808^34

High QNH **+40** per .10"
Low QNH **-150** per .10"

Engine A/I ON **-520**
Wing A/I ON **-520**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4179^24	4338^27	4386^27
4253^25	4417^28	4467^29
4325^26	4495^29	4547^30
4389^27	4562^30	4615^31
4436^27	4610^30	4663^31
4464^28	4638^31	4691^32
4479^28	4652^31	4705^32
4490^28	4661^31	4714^32
4499^28	4670^31	4723^32
4508^28	4680^31	4731^32
4517^29	4689^32	4740^32
4527^29	4697^32	4748^33
4545^29	4716^32	4765^33
4548^29	4707^32	4754^33

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
46	4132^12	4346D22	4393D25
44	4200^13	4425D23	4475D26
42	4266^13	4500^23	4554D26
40	4326^14	4563^24	4622D27
38	4368^14	4610^24	4670D28
36	4395^15	4638^25	4698D28
34	4410^15	4653^25	4711D29
32	4423^16	4665^26	4720D29
30	4435^16	4678^26	4730D30
28	4446^16	4687D27	4738D30
26	4458^17	4696D27	4747D30
24	4469^17	4705D27	4755D31
20	4492^18	4722D28	4772D31
10	4546^20	4761D30	4808D34

High QNH **+40** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-520**
Wing A/I ON **-520**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4125^12	4338D22	4386D25
4193^13	4417D23	4467D26
4259^13	4493^23	4547D26
4318^14	4556^24	4615D27
4362^14	4602^24	4663D28
4388^15	4631^25	4691D28
4405^15	4647^25	4705D29
4416^16	4659^26	4714D29
4428^16	4670D26	4723D29
4440^16	4680D26	4731D30
4451^17	4689D27	4740D30
4462^17	4697D27	4748D31
4486^18	4716D28	4765D31
4505^20	4707D30	4754D33

High QNH **+20** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28		4164^ 3	4245^ 7
26		4176^ 4	4257^ 7
24		4187^ 4	4268^ 7
22	2647F99	4198^ 4	4280^ 8
20	2830F99	4209^ 5	4291^ 8
18	2996F99	4220^ 5	4303^ 9
16	3183F99	4231^ 6	4316^ 9
14	3317F98	4243^ 6	4326^ 9
12	3476F98	4252^ 6	4336^10
10	3625F98	4261^ 7	4346^10
0	4072F98	4322^ 9	4409^12
-10	4133F 0	4385^11	4474^14
-20	4185^ 3	4446^13	4537^17
-30	4240^ 5	4509^16	4604^19

High QNH **+50** per .10"
Low QNH **-60** per .10"

Engine A/I ON **-450**
Wing A/I ON **-450**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
3404F 0	3848^ 8	3986^10
3421F 0	3865^ 8	3996F10
3439F 0	3880^ 8	4018F11
3458F 0	3894^ 8	4036F11
3478F 0	3911^ 9	4057F11
3501F 1	3928^ 9	4074F12
3518F 1	3944^ 9	4094F12
3541F 1	3960^10	4114F12
3559F 2	3975^10	4132F13
3568F 2	3989F10	4150F13
	4084F12	4253F14
3712F 5	4186F13	4271^15
3797F 7	4220^14	4265^14
3895^ 8	4211^14	4257^14

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-550**
Wing A/I ON **-550**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 1491 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope -0.20
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TUXTLA GUTIERREZ -TGZ 32 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD

SEE COMPLEX SPECIAL

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	87.7	4153F23	4392F28	4475F29	4087F11	4367F20	4465F23	4572
44	88.0	4220F24	4462F28	4546F30	4148F12	4434F21	4531F24	4673
42	88.2	4286F25	4532F29	4617F31	4209F12	4500F21	4598F24	4774
40	88.3	4340F26	4589F30	4675F32	4262F12	4553F22	4654F25	4862
38	88.1	4376F26	4628F31	4714F32	4297F13	4591F22	4692F25	4942
36	87.9	4400F26	4653F31	4740F32	4321F13	4616F23	4718F26	4954
34	87.7	4411F27	4665F31	4752F33	4333F14	4630F23	4732F26	4955
32	87.5	4422F27	4677F31	4764F33	4345F14	4643F23	4746F26	4957
30	87.2	4434F27	4689F32	4777F33	4358F14	4657F24	4760F27	4958
28	87.0	4445F27	4701F32	4789F33	4370F15	4670F24	4774F27	4960
26	86.7	4457F27	4713F32	4802F34	4383F15	4684F24	4789F27	4961
24	86.4	4468F28	4725F32	4815F34	4395F15	4698F25	4803F28	4963
20	85.8	4491F28	4750F33	4841F34	4421F16	4726F25	4833F28	4966
10	84.3	4549F29	4812F34	4903F35	4484F18	4797F27	4903D30	4968
0	82.8	4608F30	4871^35	4912^35	4553F20	4870^29	4912D33	4967
-10	81.3	4667F31	4870^35	4913^35	4621F22	4870D32	4913D35	4972

High QNH **+10** per .10" Engine A/I ON **-810**
Low QNH **-150** per .10" Wing A/I ON **-810**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
46	91.0	4251F25	4483^29	4518^30	4155F12	4447F22	4517^25	4572
44	91.3	4322F26	4564F30	4618^31	4220F13	4514F22	4616^25	4673
42	91.5	4390F27	4637F31	4719^33	4283F13	4582F23	4686F26	4774
40	91.7	4453F28	4703F32	4791F34	4341F14	4643F23	4749F26	4862
38	91.5	4502F28	4754F33	4843F34	4384F15	4691F24	4798F27	4942
36	91.4	4533F29	4786F33	4874F35	4412F15	4722F25	4830F28	4954
34	91.2	4551F29	4805F34	4894F35	4430F15	4741F25	4850F28	4955
32	90.9	4563F29	4820F34	4909F35	4444F16	4757F25	4866F28	4957
30	90.6	4577F30	4834F34	4923^36	4459F16	4773F26	4883F29	4958
28	90.3	4588F30	4847F34	4924^36	4472F17	4787F26	4898F29	4960
26	90.0	4600F30	4857F34	4925^36	4485F17	4802F27	4913F30	4961
24	89.6	4611F30	4870F35	4926^36	4498F17	4817F27	4924^30	4963
20	89.0	4634F31	4890^35	4929^36	4526F18	4847F28	4927^31	4966
10	87.5	4690F32	4886^35	4926^36	4590F20	4885^30	4926D33	4968
0	85.9	4750F33	4883^35	4924^36	4661F22	4883D32	4924D36	4967
-10	84.3	4756^33	4882^35	4924^36	4735F24	4882D35	4924D36	4972

High QNH **+10** per .10" Engine A/I ON **-820**
Low QNH **-160** per .10" Wing A/I ON **-820**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
46	91.0	4251F25-25-35	4483^29-29-38	4518^30-30-39	4553^30-30-39
44	91.3	4322F26-26-36	4564F30-30-39	4618^31-31-40	4654^32-32-41
42	91.5	4390F27-27-37	4637F31-31-41	4719^33-33-42	4754^33-33-42
40	91.7	4453F28-28-38	4703F32-32-42	4791F34-34-43	4845^34-34-44
38	91.5	4502F28-28-39	4754F33-33-42	4843F34-34-44	4918^36-36-45
36	91.4	4533F29-29-39	4786F33-33-43	4874F35-35-44	4945^36-36-45
34	91.2	4551F29-29-39	4805F34-34-43	4894F35-35-44	4955C36-36-45
32	90.9	4563F29-29-39	4820F34-34-43	4909F35-35-44	4957C36-36-45
30	90.6	4577F30-30-40	4834F34-34-43	4923^36-36-45	4958C36-36-45
28	90.3	4588F30-30-40	4847F34-34-44	4924^36-36-45	4960C36-36-45
26	90.0	4600F30-30-40	4857F34-34-44	4925^36-36-45	4961C36-36-45
24	89.6	4611F30-30-40	4870F35-35-44	4926^36-36-45	4963C36-36-45
20	89.0	4634F31-31-41	4890^35-35-44	4929^36-36-45	4966C36-36-45
10	87.5	4690F32-32-41	4886^35-35-44	4926^36-36-45	4967F42-42-51
0	85.9	4750F33-33-42	4883^35-35-44	4942F42-42-51	4989C43-43-52
-10	84.3	4756^33-33-42	4917F41-41-50	4994C43-43-52	4994C43-43-52

High QNH **+10** per .10" Engine A/I ON **-750**
Low QNH **-160** per .10" Wing A/I ON **-750**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 1491 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.20
Rwy Rev. Program Rules FAA **31 Aug 16**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4251F25	4483^29	4518^30	4241F25	4477F29	4512^30			
44	4322F26	4564F30	4618^31	4311F26	4552F30	4613^31			
42	4390F27	4637F31	4719^33	4379F27	4625F31	4712F33			
40	4453F28	4703F32	4791F34	4442F27	4692F32	4779F33			
38	4502F28	4754F33	4843F34	4492F28	4744F33	4832F34			
36	4533F29	4786F33	4874F35	4522F29	4775F33	4865F35			
34	4551F29	4805F34	4894F35	4543F29	4797F33	4885F35			
32	4563F29	4820F34	4909F35	4556F29	4810F34	4899F35			
30	4577F30	4834F34	4923^36	4566F29	4824F34	4913F35			
28	4588F30	4847F34	4924^36	4578F30	4836F34	4919^36			
26	4600F30	4857F34	4925^36	4590F30	4849F34	4920^36			
24	4611F30	4870F35	4926^36	4601F30	4859F34	4922^36			
20	4634F31	4890^35	4929^36	4624F30	4885^35	4924^36			
10	4690F32	4886^35	4926^36	4648F31	4813^34	4852^35			
	High QNH **+10** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-700** Wing A/I ON **-700**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
46	4155F12	4447F22	4517^25	4147F12	4438F22	4511^25			
44	4220F13	4514F22	4616^25	4212F13	4504F22	4608F25			
42	4283F13	4582F23	4686F26	4275F13	4572F23	4677F26			
40	4341F14	4643F23	4749F26	4333F14	4634F23	4740F26			
38	4384F15	4691F24	4798F27	4377F14	4682F24	4789F27			
36	4412F15	4722F25	4830F28	4405F15	4713F24	4821F27			
34	4430F15	4741F25	4850F28	4424F15	4735F25	4843F28			
32	4444F16	4757F25	4866F28	4438F16	4750F25	4859F28			
30	4459F16	4773F26	4883F29	4451F16	4764F26	4874F29			
28	4472F17	4787F26	4898F29	4464F16	4779F26	4889F29			
26	4485F17	4802F27	4913F30	4478F17	4793F26	4904F29			
24	4498F17	4817F27	4924^30	4491F17	4808F27	4917F30			
20	4526F18	4847F28	4927^31	4518F18	4838F27	4922^31			
10	4590F20	4885^30	4926D33	4553F20	4812^30	4852D33			
	High QNH **+10** per .10" Low QNH **-160** per .10"			High QNH **+0** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-700** Wing A/I ON **-700**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	2878F99	4141F 5	4231F 8	3547F 0	3799F10	3890F13			
26	3017F99	4153F 5	4243F 8	3557F 0	3810F10	3902F13			
24	3150F98	4165F 5	4255F 9	3566F 1	3822F10	3914F13			
22	3304F98	4177F 6	4268F 9	3576F 1	3833F11	3926F14			
20	3439F98	4189F 6	4280F 9	3586F 1	3845F11	3940F14			
18	3567F98	4201F 6	4294F10	3596F 2	3857F11	3952F14			
16	3721F98	4212F 7	4306F10	3606F 2	3869F12	3966F15			
14	3836F98	4224F 7	4318F10	3615F 2	3879F12	3979F15			
12	3960F98	4234F 8	4330F11	3624F 3	3889F12	3990F15			
10	3983F98	4245F 8	4341F11	3633F 3	3900F13	4000F16			
0	4040F 0	4311F10	4410F13	3686F 5	3965F15	4069F18			
-10	4097F 2	4379F12	4480F15	3743F 7	4033F16	4141F20			
-20	4152F 4	4447F14	4553F18	3797F 9	4100F18	4214F21			
-30	4214F 6	4518F16	4628F20	3853F11	4172F20	4291F23			
	High QNH **+50** per .10" Low QNH **-70** per .10"			High QNH **+50** per .10" Low QNH **-70** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-420** Wing A/I ON **-420**			Engine A/I ON **-390** Wing A/I ON **-390**			Engine A/I ON Wing A/I ON		

Elevation 1491 Length 8202 Shift **0** Clearway 0 Stopway 0 Slope +0.20

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1090'		**DT H007**	**1090'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4257^25	4422^28	4480^29	4209^12	4422D22	4480D25	4711
46	87.7	4342^26	4511^29	4569^30	4289^12	4507^22	4569D25	4830
44	87.6	4392^26	4563^29	4623^31	4338F13	4559^23	4623D26	4893
42	87.4	4412^27	4584^30	4644^31	4358F13	4580^23	4644D26	4946
40	87.2	4429^27	4602^30	4662^31	4374^13	4598^23	4662D27	4959
38	86.9	4437^27	4610^30	4670^31	4383^14	4609^24	4670D27	4961
36	86.6	4445^27	4618^30	4679^31	4393^14	4618D24	4679D27	4962
34	86.4	4453^27	4627^30	4688^32	4403^14	4627D24	4688D28	4964
32	86.1	4461^28	4636^31	4697^32	4413^15	4636D25	4697D28	4966
30	85.8	4470^28	4644^31	4706^32	4423^15	4644D25	4706D28	4968
20	84.4	4514^28	4689^32	4751^33	4474^17	4689D27	4751D30	4976
10	82.9	4552^29	4730^32	4790^33	4523^19	4730D29	4790D32	4972
0	81.4	4598^30	4776^33	4837^34	4579^21	4776D31	4837D34	4984
-10	79.9	4639^31	4817^34	4879^35	4630^23	4817D33	4879D36	4987
-20	78.4	4677^31	4855^34	4917^35	4677D25	4855D35	4917D36	4985
-30	76.8	4715^32	4881^35	4925^36	4715D27	4881D35	4925D36	4983

High QNH **+0** per .10" Engine A/I ON **-720**
Low QNH **-160** per .10" Wing A/I ON **-720**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4316^26	4479^29	4534^30	4259^13	4479D23	4534D27	4711
46	90.9	4404^27	4571^30	4628^31	4339^14	4566^24	4628D27	4830
44	90.8	4463^28	4631^31	4691^32	4394^14	4625^24	4691D28	4893
42	90.6	4496^28	4665^31	4725^32	4425^15	4658^25	4725D28	4946
40	90.3	4513^28	4683^31	4742^32	4442^15	4677^26	4742D29	4959
38	90.0	4522^29	4692^32	4751^33	4453^16	4689^26	4751D29	4961
36	89.7	4530^29	4701^32	4759^33	4463^16	4700^26	4759D30	4962
34	89.5	4538^29	4709^32	4767^33	4473^16	4709D27	4767D30	4964
32	89.2	4546^29	4718^32	4776^33	4484^17	4718D27	4776D30	4966
30	88.9	4555^29	4726^32	4784^33	4494^17	4726D27	4784D31	4968
20	87.4	4597^30	4769^33	4827^34	4547^19	4769D29	4827D33	4976
10	85.9	4633^31	4805^34	4863^34	4597^21	4805D31	4863D35	4972
0	84.3	4678^31	4849^34	4908^35	4653^23	4849D34	4908D36	4984
-10	82.8	4718^32	4889^35	4948^36	4707^25	4889D35	4948D36	4987
-20	81.2	4753^33	4906^35	4948^36	4753D27	4906D35	4948D36	4985
-30	79.6	4768^33	4896^35	4939^36	4768D30	4896D35	4939D36	4983

High QNH **+0** per .10" Engine A/I ON **-800**
Low QNH **-160** per .10" Wing A/I ON **-800**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4316^26-26-36	4479^29-29-38	4534^30-30-39	4591^31-31-40
46	90.9	4404^27-27-37	4571^30-30-40	4628^31-31-40	4686^32-32-41
44	90.8	4463^28-28-38	4631^31-31-40	4691^32-32-41	4749^33-33-42
42	90.6	4496^28-28-38	4665^31-31-41	4725^32-32-42	4783^33-33-43
40	90.3	4513^28-28-39	4683^31-31-41	4742^32-32-42	4800^33-33-43
38	90.0	4522^29-29-39	4692^32-32-41	4751^33-33-42	4810^34-34-43
36	89.7	4530^29-29-39	4701^32-32-41	4759^33-33-42	4818^34-34-43
34	89.5	4538^29-29-39	4709^32-32-42	4767^33-33-42	4826^34-34-43
32	89.2	4546^29-29-39	4718^32-32-42	4776^33-33-43	4835^34-34-43
30	88.9	4555^29-29-39	4726^32-32-42	4784^33-33-43	4843^34-34-44
20	87.4	4597^30-30-40	4769^33-33-42	4827^34-34-43	4887^35-35-44
10	85.9	4633^31-31-40	4805^34-34-43	4863^34-34-44	4923^35-35-45
0	84.3	4678^31-31-41	4849^34-34-44	4908^35-35-44	4968^36-36-45
-10	82.8	4718^32-32-42	4889^35-35-44	4948^36-36-45	4987C37-37-46
-20	81.2	4753^33-33-42	4906^35-35-44	4948^36-36-45	4991^43-43-51
-30	79.6	4768^33-33-42	4907^41-41-50	4969^42-42-51	4996C43-43-52

High QNH **+10** per .10" Engine A/I ON **-800**
Low QNH **-160** per .10" Wing A/I ON **-800**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	90	Length	7874	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.27
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4316^26	4479^29	4534^30	4308^26	4471^28	4527^29			
46	4404^27	4571^30	4628^31	4396^27	4563^30	4621^31			
44	4463^28	4631^31	4691^32	4455^28	4623^31	4682^32			
42	4496^28	4665^31	4725^32	4488^28	4658^31	4717^32			
40	4513^28	4683^31	4742^32	4505^28	4676^31	4734^32			
38	4522^29	4692^32	4751^33	4514^28	4685^32	4744^33			
36	4530^29	4701^32	4759^33	4523^29	4693^32	4752^33			
34	4538^29	4709^32	4767^33	4531^29	4702^32	4760^33			
32	4546^29	4718^32	4776^33	4539^29	4711^32	4769^33			
30	4555^29	4726^32	4784^33	4548^29	4719^32	4777^33			
20	4597^30	4769^33	4827^34	4589^30	4762^33	4821^34			
10	4633^31	4805^34	4863^34	4578^30	4745^33	4802^34			
0	4678^31	4849^34	4908^35	4622^31	4790^33	4847^34			
-10	4718^32	4889^35	4948^36	4657^31	4824^34	4866^35			
	High QNH +60 per .10" Low QNH -160 per .10"			High QNH +10 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -650 Wing A/I ON -650			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4259^13	4479D23	4534D27	4252^13	4471D23	4527D26			
46	4339^14	4566^24	4628D27	4333^13	4558^24	4621D27			
44	4394^14	4625^24	4691D28	4388^14	4617^24	4682D28			
42	4425^15	4658^25	4725D28	4418^15	4651^25	4717D28			
40	4442^15	4677^26	4742D29	4436^15	4670^25	4734D29			
38	4453^16	4689^26	4751D29	4447^15	4682^26	4744D29			
36	4463^16	4700^26	4759D30	4457^16	4693^26	4752D29			
34	4473^16	4709D27	4767D30	4468^16	4702D27	4760D30			
32	4484^17	4718D27	4776D30	4478^17	4711D27	4769D30			
30	4494^17	4726D27	4784D31	4488^17	4719D27	4777D31			
20	4547^19	4769D29	4827D33	4541^19	4762D29	4821D33			
10	4597^21	4805D31	4863D35	4547^21	4745D31	4802D35			
0	4653^23	4849D34	4908D36	4604^23	4790D34	4847D35			
-10	4707^25	4889D35	4948D36	4654^25	4824D34	4866D35			
	High QNH +60 per .10" Low QNH -160 per .10"			High QNH +10 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -650 Wing A/I ON -650			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28		4210F 4	4304F 7	3397F 0	3906F 8	4039F11			
26		4222F 5	4316F 8	3414F 0	3922F 8	4052F11			
24		4234F 5	4329F 8	3428F 1	3939F 9	4071F11			
22		4246F 5	4342F 9	3458F 1	3956F 9	4089F12			
20	2777F99	4258F 6	4354F 9	3474F 1	3972F 9	4107F12			
18	3021F99	4270F 6	4367F 9	3501F 1	3985F10	4126F12			
16	3236F99	4282F 6	4379F10	3523F 2	4002F10	4140F13			
14	3424F98	4292F 7	4392F10	3547F 2	4006F10	4166F13			
12	3591F98	4305F 7	4405F11	3572F 2	4029F11	4184F13			
10	3786F98	4317F 8	4418F11	3583F 2	4044F11	4207F14			
0	4103F99	4386F10	4488F13	3658F 4	4135F12	4287^15			
-10		4454F12	4548^15	3746F 5	4236^14	4284^15			
-20		4520^14	4610^18	3860F 7	4232^14	4278^15			
-30		4580^16	4673^20	3947F 9	4222^14	4270^15			
	High QNH +70 per .10" Low QNH -60 per .10"			High QNH +10 per .10" Low QNH -90 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -460 Wing A/I ON -460			Engine A/I ON -680 Wing A/I ON -680			Engine A/I ON Wing A/I ON		

Elevation	90	Length	7874	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.27
Rwy Rev.		Program						Rules	FAA		**26 Apr 19**

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TAR Mexico **EMB-145** **AE3007A1**

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1090'		**LT H090**	**1090'**	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4233F24	4478F29	4563F30
46	87.7	4308F25	4558F30	4644F31
44	87.6	4355F26	4608F30	4695F32
42	87.4	4374F26	4628F31	4716F32
40	87.2	4391F26	4647F31	4735F32
38	86.9	4401F26	4658F31	4747F33
36	86.6	4412F27	4669F31	4758F33
34	86.4	4423F27	4681F31	4770F33
32	86.1	4434F27	4693F32	4783F33
30	85.8	4445F27	4705F32	4795F33
20	84.4	4503F28	4766F33	4859F34
10	82.9	4559F29	4828F34	4922F35
0	81.4	4620F30	4894F35	4935^36
-10	79.9	4677F31	4892^35	4933^36
-20	78.4	4737F32	4885^35	4927^36
-30	76.8	4745^32	4875^35	4919^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4168F12	4459F22	4558F25	4711
46	87.7	4239F13	4533F22	4635F25	4830
44	87.6	4284F13	4581F23	4684F26	4893
42	87.4	4304F13	4602F23	4706F26	4946
40	87.2	4322F14	4622F23	4726F26	4959
38	86.9	4333F14	4635F24	4739F27	4961
36	86.6	4345F14	4647F24	4752F27	4962
34	86.4	4357F15	4661F24	4766F27	4964
32	86.1	4370F15	4674F25	4780F28	4966
30	85.8	4382F16	4688F25	4794F28	4968
20	84.4	4446F17	4758F27	4859D30	4976
10	82.9	4510F19	4828D29	4922D32	4972
0	81.4	4578F21	4894D31	4935D34	4984
-10	79.9	4646F23	4892D33	4933D36	4987
-20	78.4	4717F25	4885D35	4927D36	4985
-30	76.8	4745D27	4875D35	4919D36	4983

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-160** per .10" Wing A/I ON **-840**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4333F26	4578F30	4665^32
46	90.9	4411F27	4662F31	4750F33
44	90.8	4472F28	4725F32	4815F34
42	90.6	4514F29	4770F33	4858F34
40	90.3	4532F29	4788F33	4877F35
38	90.0	4542F29	4802F33	4892F35
36	89.7	4553F29	4813F34	4904F35
34	89.5	4565F29	4826F34	4917F35
32	89.2	4576F30	4838F34	4930F36
30	88.9	4587F30	4850F34	4943F36
20	87.4	4644F31	4913F35	4952^36
10	85.9	4700F32	4907^35	4945^36
0	84.3	4763F33	4912^35	4950^36
-10	82.8	4789^33	4908^35	4949^36
-20	81.2	4777^33	4900^35	4942^36
-30	79.6	4762^33	4890^35	4933^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4240F14	4540F23	4645F26	4711
46	90.9	4313F14	4617F24	4724F27	4830
44	90.8	4367F15	4676F24	4784F27	4893
42	90.6	4402F15	4716F25	4826F28	4946
40	90.3	4421F16	4736F25	4847F28	4959
38	90.0	4435F16	4751F26	4862F29	4961
36	89.7	4447F16	4765F26	4877F29	4962
34	89.5	4460F17	4779F26	4891F30	4964
32	89.2	4473F17	4794F27	4906F30	4966
30	88.9	4486F17	4808F27	4920F30	4968
20	87.4	4554F19	4883F29	4952^32	4976
10	85.9	4618F21	4907D31	4945D35	4972
0	84.3	4692F23	4912D34	4950D36	4984
-10	82.8	4765F25	4908D35	4949D36	4987
-20	81.2	4775^27	4900D35	4942D36	4985
-30	79.6	4762D30	4890D35	4933D36	4983

High QNH **+0** per .10" Engine A/I ON **-850**
Low QNH **-160** per .10" Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4333F26-26-36	4578F30-30-40	4665^32-32-41	4698^32-32-41
46	90.9	4411F27-27-37	4662F31-31-41	4750F33-33-42	4812^34-34-43
44	90.8	4472F28-28-38	4725F32-32-42	4815F34-34-43	4893C35-35-44
42	90.6	4514F29-29-39	4770F33-33-42	4858F34-34-44	4946C36-36-45
40	90.3	4532F29-29-39	4788F33-33-43	4877F35-35-44	4959C36-36-45
38	90.0	4542F29-29-39	4802F33-33-43	4892F35-35-44	4961C36-36-45
36	89.7	4553F29-29-39	4813F34-34-43	4904F35-35-44	4962C36-36-45
34	89.5	4565F29-29-39	4826F34-34-43	4917F35-35-45	4964C36-36-45
32	89.2	4576F30-30-40	4838F34-34-43	4930F36-36-45	4966C36-36-45
30	88.9	4587F30-30-40	4850F34-34-44	4943F36-36-45	4968C36-36-45
20	87.4	4644F31-31-41	4913F35-35-45	4952^36-36-45	4976C36-36-45
10	85.9	4700F32-32-41	4907^35-35-44	4945^36-36-45	4986C42-42-51
0	84.3	4763F33-33-42	4912^35-35-44	4963F42-42-51	4998C43-43-52
-10	82.8	4789^33-33-43	4935F42-42-51	5003C43-43-52	5003C43-43-52
-20	81.2	4777^33-33-43	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.6	4782F39-39-48	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" Engine A/I ON **-840**
Low QNH **-160** per .10" Wing A/I ON **-840**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 90 Length 7874 Shift **0** Clearway 0 Stopway 0 Slope +0.27
Rwy Rev. Program Rules FAA **26 Apr 19**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4333F26	4578F30	4665^32	4323F26	4568F30	4655F32			
46	4411F27	4662F31	4750F33	4400F27	4651F31	4739F33			
44	4472F28	4725F32	4815F34	4461F28	4714F32	4803F34			
42	4514F29	4770F33	4858F34	4503F28	4758F33	4849F34			
40	4532F29	4788F33	4877F35	4521F29	4777F33	4866F35			
38	4542F29	4802F33	4892F35	4534F29	4791F33	4881F35			
36	4553F29	4813F34	4904F35	4543F29	4803F34	4893F35			
34	4565F29	4826F34	4917F35	4554F29	4815F34	4906F35			
32	4576F30	4838F34	4930F36	4566F29	4827F34	4919F35			
30	4587F30	4850F34	4943F36	4577F30	4840F34	4932F36			
20	4644F31	4913F35	4952^36	4634F31	4903F35	4947^36			
10	4700F32	4907^35	4945^36	4656F31	4822^34	4860^35			
0	4763F33	4912^35	4950^36	4710^32	4825^34	4863^35			
-10	4789^33	4908^35	4949^36	4702^32	4821^34	4861^35			
	High QNH +0 per .10" Low QNH -160 per .10"			High QNH +0 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4240F14	4540F23	4645F26	4233F13	4531F23	4636F26			
46	4313F14	4617F24	4724F27	4305F14	4608F24	4714F27			
44	4367F15	4676F24	4784F27	4359F15	4667F24	4774F27			
42	4402F15	4716F25	4826F28	4394F15	4707F25	4817F28			
40	4421F16	4736F25	4847F28	4413F16	4727F25	4837F28			
38	4435F16	4751F26	4862F29	4427F16	4743F26	4853F29			
36	4447F16	4765F26	4877F29	4439F16	4756F26	4868F29			
34	4460F17	4779F26	4891F30	4452F17	4770F26	4882F29			
32	4473F17	4794F27	4906F30	4465F17	4785F27	4897F30			
30	4486F17	4808F27	4920F30	4479F17	4799F27	4912F30			
20	4554F19	4883F29	4952^32	4546F19	4874F29	4947^32			
10	4618F21	4907D31	4945D35	4578F21	4822D31	4860D35			
0	4692F23	4912D34	4950D36	4653F23	4825D34	4863D35			
-10	4765F25	4908D35	4949D36	4698^25	4821D34	4861D35			
	High QNH +0 per .10" Low QNH -160 per .10"			High QNH +0 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -850 Wing A/I ON -850			Engine A/I ON +0 Wing A/I ON +0			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3169F98	4164F 6	4258F 9	3339F 2	3881F 9	4059F11			
26	3328F98	4176F 6	4270F 9	3358F 2	3902F 9	4079F12			
24	3463F98	4188F 7	4283F10	3375F 2	3922F10	4096F12			
22	3616F98	4198F 7	4295F10	3393F 3	3942F10	4113F12			
20	3753F98	4211F 7	4308F11	3410F 3	3964F10	4132F13			
18	3870F98	4222F 8	4321F11	3430F 3	3985F10	4152F13			
16	3965F98	4234F 8	4333F11	3450F 3	4005F11	4172F13			
14	3977F98	4246F 8	4345F12	3472F 4	4023F11	4192F13			
12	3987F99	4259F 9	4358F12	3493F 4	4042F11	4212F14			
10	3997F99	4271F 9	4371F13	3519F 4	4062F12	4233F14			
0	4057F 1	4339F11	4442F15	3610F 5	4161F13	4283^15			
-10	4113F 3	4407F13	4514F17	3692F 7	4235^14	4280^15			
-20	4172F 5	4478F16	4589F19	3783F 8	4228^14	4274^15			
-30	4232F 7	4550F18	4665F21	3927F10	4219^14	4266D14			
	High QNH +70 per .10" Low QNH -60 per .10"			High QNH +10 per .10" Low QNH -150 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -440 Wing A/I ON -440			Engine A/I ON -710 Wing A/I ON -710			Engine A/I ON Wing A/I ON		

Elevation 90 Length 7874 Shift **0** Clearway 0 Stopway 0 Slope +0.27

Rwy Rev. Program Rules FAA **26 Apr 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1046'		**DT H085**	**1046'**	

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4047F21	4293F25	4380F27	3989F 8	4274F17	4375F20	4719
46	87.7	4119F22	4368F26	4457F28	4057F 8	4345F18	4448F21	4839
44	87.6	4163F22	4415F27	4504F28	4099F 9	4390F18	4493F21	4898
42	87.4	4180F22	4432F27	4522F29	4116F 9	4408F19	4512F22	4946
40	87.1	4195F23	4449F27	4539F29	4132F 9	4426F19	4530F22	4959
38	86.9	4204F23	4460F27	4550F29	4143F 9	4438F19	4543F22	4961
36	86.6	4214F23	4471F28	4562F29	4154F10	4451F20	4556F23	4962
34	86.3	4224F23	4482F28	4571F29	4165F10	4464F20	4569F23	4964
32	86.0	4235F23	4494F28	4584F30	4177F10	4477F20	4581F23	4966
30	85.7	4245F24	4506F28	4595F30	4188F11	4490F21	4594F24	4968
20	84.3	4299F24	4566F29	4655F31	4246F12	4558F22	4655D26	4976
10	82.8	4353F26	4624F30	4716F32	4307F14	4624D24	4716D27	4972
0	81.3	4412F27	4687F31	4764^33	4374F16	4687D26	4764D29	4984
-10	79.8	4469F28	4748F32	4802^33	4439F18	4748D28	4802D31	4988
-20	78.3	4528F29	4794^33	4844^34	4507F20	4794D30	4844D34	4985
-30	76.7	4586F30	4830^34	4891^35	4577F22	4830D32	4891D36	4983

High QNH **+60** per .10" Engine A/I ON **-590**
Low QNH **-150** per .10" Wing A/I ON **-590**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4138F22	4387F27	4463^28	4053F 9	4350F19	4448^22	4719
46	90.9	4214F23	4469F28	4553F29	4123F 9	4424F19	4526F22	4839
44	90.8	4270F24	4528F29	4614F30	4173F10	4478F20	4583F23	4898
42	90.5	4308F25	4567F29	4644^31	4204F11	4515F21	4621F24	4946
40	90.3	4323F25	4583F30	4659^31	4220F11	4532F21	4639F24	4959
38	90.0	4334F25	4595F30	4668^31	4233F11	4546F21	4648^24	4961
36	89.7	4344F25	4606F30	4678^31	4244F12	4559F22	4658^25	4962
34	89.4	4355F26	4617F30	4687^32	4256F12	4571F22	4670^25	4964
32	89.1	4366F26	4629F31	4696^32	4267F12	4585F22	4682^26	4966
30	88.9	4377F26	4640F31	4706^32	4279F13	4599F23	4694^26	4968
20	87.4	4433F27	4697^32	4750^33	4343F14	4669F24	4747^28	4976
10	85.9	4488F28	4739^32	4781^33	4407F16	4727^26	4781D30	4972
0	84.3	4548F29	4783^33	4832^34	4478F18	4782^28	4832D32	4984
-10	82.8	4608F30	4822^34	4881^35	4548F20	4822D31	4881D34	4988
-20	81.2	4666F31	4867^35	4926^36	4619F22	4867D33	4926D36	4985
-30	79.6	4725F32	4891^35	4934^36	4691F24	4891D35	4934D36	4983

High QNH **+0** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
48	90.8	4138F22-22-33	4387F27-27-37	4463^28-28-38	4516^29-29-39
46	90.9	4214F23-23-34	4469F28-28-38	4553F29-29-39	4608^30-30-40
44	90.8	4270F24-24-35	4528F29-29-39	4614F30-30-40	4669^31-31-41
42	90.5	4308F25-25-36	4567F29-29-40	4644^31-31-41	4701^32-32-41
40	90.3	4323F25-25-36	4583F30-30-40	4659^31-31-41	4715^32-32-42
38	90.0	4334F25-25-36	4595F30-30-40	4668^31-31-41	4723^32-32-42
36	89.7	4344F25-25-36	4606F30-30-40	4678^31-31-41	4730^32-32-42
34	89.4	4355F26-26-36	4617F30-30-40	4687^32-32-41	4737^32-32-42
32	89.1	4366F26-26-37	4629F31-31-40	4696^32-32-41	4744^32-32-42
30	88.9	4377F26-26-37	4640F31-31-41	4706^32-32-42	4752^33-33-42
20	87.4	4433F27-27-38	4697^32-32-41	4750^33-33-42	4793^33-33-43
10	85.9	4488F28-28-38	4739^32-32-42	4781^33-33-43	4839^34-34-43
0	84.3	4548F29-29-39	4783^33-33-43	4832^34-34-43	4892^35-35-44
-10	82.8	4608F30-30-40	4822^34-34-43	4881^35-35-44	4941^36-36-45
-20	81.2	4666F31-31-41	4867^35-35-44	4926^36-36-45	4984^36-36-46
-30	79.6	4725F32-32-42	4891^35-35-44	4934^36-36-45	4977^36-36-45

High QNH **+0** per .10" Engine A/I ON **-730**
Low QNH **-160** per .10" Wing A/I ON **-730**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	46	Length	7218	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.22
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4138F22	4387F27	4463^28	4129F22	4379F27	4456^28			
46	4214F23	4469F28	4553F29	4204F23	4458F28	4543F29			
44	4270F24	4528F29	4614F30	4260F24	4518F29	4604F30			
42	4308F25	4567F29	4644^31	4298F25	4557F29	4636^31			
40	4323F25	4583F30	4659^31	4313F25	4573F30	4652^31			
38	4334F25	4595F30	4668^31	4324F25	4585F30	4661^31			
36	4344F25	4606F30	4678^31	4335F25	4596F30	4671^31			
34	4355F26	4617F30	4687^32	4345F25	4607F30	4680^31			
32	4366F26	4629F31	4696^32	4356F26	4619F30	4690^32			
30	4377F26	4640F31	4706^32	4367F26	4631F31	4699^32			
20	4433F27	4697^32	4750^33	4423F27	4691F32	4745^32			
10	4488F28	4739^32	4781^33	4448F28	4681^32	4725^32			
0	4548F29	4783^33	4832^34	4508F29	4722^32	4779^33			
-10	4608F30	4822^34	4881^35	4563F30	4764^33	4820^34			
	High QNH **+60** per .10" Low QNH **-160** per .10"			High QNH **+60** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-600** Wing A/I ON **-600**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4053F 9	4350F19	4448^22	4046F 9	4343F19	4441^22			
46	4123F 9	4424F19	4526F22	4116F 9	4415F19	4518F22			
44	4173F10	4478F20	4583F23	4166F10	4470F20	4575F23			
42	4204F11	4515F21	4621F24	4197F10	4506F20	4612F24			
40	4220F11	4532F21	4639F24	4213F11	4524F21	4630F24			
38	4233F11	4546F21	4648^24	4226F11	4538F21	4641^24			
36	4244F12	4559F22	4658^25	4237F11	4551F22	4652^25			
34	4256F12	4571F22	4670^25	4249F12	4565F22	4664^25			
32	4267F12	4585F22	4682^26	4260F12	4577F22	4675^25			
30	4279F13	4599F23	4694^26	4272F12	4591F23	4687^26			
20	4343F14	4669F24	4747^28	4336F14	4661F24	4741^28			
10	4407F16	4727^26	4781D30	4370F16	4675^26	4725D30			
0	4478F18	4782^28	4832D32	4441F18	4722D28	4779D32			
-10	4548F20	4822D31	4881D34	4509F20	4764D31	4820D34			
	High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH **+70** per .10" Low QNH **-150** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-590** Wing A/I ON **-590**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3363F92	4205^99	4253^ 3	2921F98	3613F 5	3788F 8			
26	3398F92	4207^ 0	4256^ 3	2939F99	3628F 6	3811F 8			
24	3431F92	4208^ 0	4258^ 4	2958F99	3646F 6	3829F 8			
22	3462F93	4210^ 1	4260^ 4	2978F99	3662F 6	3859F 8			
20	3493F93	4212^ 1	4262^ 5	2995F99	3683F 6	3874F 9			
18	3527F93	4213^ 1	4263^ 5	3014F 0	3696F 7	3889F 9			
16	3561F93	4213^ 2	4263^ 5	3029F 0	3718F 7	3905F 9			
14	3595F93	4211^ 2	4262^ 6	3049F 0	3736F 7	3928F10			
12	3628F94	4210^ 3	4261^ 6	3070F 1	3761F 7	3949F10			
10	3661F94	4212^ 3	4263^ 7	3089F 1	3785F 8	3971F10			
0	3827F95	4222^ 5	4275^ 9	3210F 2	3894F 9	4076F12			
-10	3868F97	4226^ 7	4280^11	3360F 3	3997F11	4177F13			
-20	4037F98	4227^10	4277D14	3525F 4	4104F12	4275^15			
-30	4058^ 0	4222D12	4267D15		4209F14	4267^14			
	High QNH **+10** per .10" Low QNH **-50** per .10"			High QNH **+40** per .10" Low QNH **-100** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-690** Wing A/I ON **-690**			Engine A/I ON **-510** Wing A/I ON **-510**			Engine A/I ON Wing A/I ON		

Elevation 46 Length 7218 Shift **0** Clearway 0 Stopway 0 Slope +0.22

Rwy Rev. Program Rules FAA **26 Oct 17**

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VILLAHERMOSA -VSA 26 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		600'		RT H350	1046'	

A/C **AUTO**

ALT TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	87.6	4099F22	4332^26	4387^27
46	87.7	4172F22	4417^27	4474^28
44	87.6	4217F23	4471F28	4525^29
42	87.4	4233F23	4484^28	4543^29
40	87.1	4248F24	4503F28	4558^29
38	86.9	4258F24	4508^28	4567^29
36	86.6	4268F24	4517^29	4575^30
34	86.3	4278F24	4526^29	4584^30
32	86.0	4289F24	4535^29	4593^30
30	85.7	4300F25	4544^29	4602^30
20	84.3	4355F26	4590^30	4647^31
10	82.8	4410F27	4632^31	4688^32
0	81.3	4468F28	4681^31	4736^32
-10	79.8	4526F29	4725^32	4778^33
-20	78.3	4587F30	4764^33	4820^34
-30	76.7	4634^31	4803^33	4869^35

ALT TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	87.6	4030F 7	4310^17	4383^20	4719
46	87.7	4098F 8	4389F18	4465^21	4839
44	87.6	4141F 8	4434F18	4514^21	4898
42	87.4	4158F 8	4453F18	4533^22	4946
40	87.1	4174F 9	4470F19	4549^22	4959
38	86.9	4185F 9	4483F19	4560^22	4961
36	86.6	4196F 9	4495F19	4570^23	4962
34	86.3	4208F10	4504^20	4580^23	4964
32	86.0	4219F10	4514^20	4591^23	4966
30	85.7	4231F10	4525^20	4602D24	4968
20	84.3	4290F12	4580^22	4647D26	4976
10	82.8	4352F14	4632^24	4688D28	4972
0	81.3	4419F16	4681D26	4736D30	4984
-10	79.8	4485F18	4725D28	4778D32	4988
-20	78.3	4555F20	4764D30	4820D34	4985
-30	76.7	4617^22	4803D33	4869D36	4983

High QNH **+60** per .10" Engine A/I ON **-570**
Low QNH **-150** per .10" Wing A/I ON **-570**

A/C **AUTO**

TO-1 - DRY RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H
48	90.8	4191F23	4391^27	4443^28
46	90.9	4267F24	4480^28	4534^29
44	90.8	4324F25	4540^29	4594^30
42	90.5	4363F26	4571^30	4624^30
40	90.3	4378F26	4586^30	4639^31
38	90.0	4389F26	4594^30	4648^31
36	89.7	4400F26	4603^30	4656^31
34	89.4	4410F27	4612^30	4664^31
32	89.1	4421F27	4620^30	4673^31
30	88.9	4431F27	4629^31	4681^31
20	87.4	4488F28	4673^31	4724^32
10	85.9	4545F29	4712^32	4761^33
0	84.3	4592^30	4757^33	4809^34
-10	82.8	4636^31	4797^33	4859^34
-20	81.2	4679^31	4844^34	4908^35
-30	79.6	4720^32	4890^35	4939^36

TO-1 - WET RWY

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Dry Rwy Climb Limit
48	90.8	4092F 8	4364^18	4437^22	4719
46	90.9	4163F 9	4447^19	4522^22	4839
44	90.8	4214F 9	4502^20	4578^23	4898
42	90.5	4244F10	4532^20	4609^24	4946
40	90.3	4261F10	4549^21	4626^24	4959
38	90.0	4273F11	4560^21	4636^24	4961
36	89.7	4285F11	4570^21	4647^25	4962
34	89.4	4295F11	4581^22	4657^25	4964
32	89.1	4307F12	4592^22	4668^26	4966
30	88.9	4320F12	4603^22	4679^26	4968
20	87.4	4384F14	4659^24	4724D28	4976
10	85.9	4449F16	4710^26	4761D30	4972
0	84.3	4520F18	4757D28	4809D32	4984
-10	82.8	4586^20	4797D31	4859D34	4988
-20	81.2	4642^22	4844D33	4908D36	4985
-30	79.6	4698^24	4890D35	4939D36	4983

High QNH **+20** per .10" Engine A/I ON **-670**
Low QNH **-160** per .10" Wing A/I ON **-670**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	Flaps 9 +0	Flaps 9 +10H	Flaps 9 +20H
48	90.8	4191F23-23-34	4391^27-27-37	4443^28-28-38	4492^29-29-38
46	90.9	4267F24-24-35	4480^28-28-38	4534^29-29-39	4585^30-30-40
44	90.8	4324F25-25-36	4540^29-29-39	4594^30-30-40	4645^31-31-41
42	90.5	4363F26-26-36	4571^30-30-40	4624^30-30-40	4675^31-31-41
40	90.3	4378F26-26-37	4586^30-30-40	4639^31-31-41	4691^32-32-41
38	90.0	4389F26-26-37	4594^30-30-40	4648^31-31-41	4698^32-32-41
36	89.7	4400F26-26-37	4603^30-30-40	4656^31-31-41	4707^32-32-42
34	89.4	4410F27-27-37	4612^30-30-40	4664^31-31-41	4715^32-32-42
32	89.1	4421F27-27-37	4620^30-30-40	4673^31-31-41	4723^32-32-42
30	88.9	4431F27-27-37	4629^31-31-40	4681^31-31-41	4731^32-32-42
20	87.4	4488F28-28-38	4673^31-31-41	4724^32-32-42	4772^33-33-42
10	85.9	4545F29-29-39	4712^32-32-42	4761^33-33-42	4818^34-34-43
0	84.3	4592^30-30-40	4757^33-33-42	4809^34-34-43	4873^35-35-44
-10	82.8	4636^31-31-41	4797^33-33-43	4859^34-34-44	4925^35-35-45
-20	81.2	4679^31-31-41	4844^34-34-44	4908^35-35-44	4973^36-36-45
-30	79.6	4720^32-32-42	4890^35-35-44	4939^36-36-45	4981^36-36-46

High QNH **+20** per .10" Engine A/I ON **-670**
Low QNH **-160** per .10" Wing A/I ON **-670**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation 46 Length 7218 Shift **0** Clearway 0 Stopway 0 Slope -0.22
Rwy Rev. Program Rules FAA **26 Oct 17**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4191F23	4391^27	4443^28	4181F23	4384^27	4436^28			
46	4267F24	4480^28	4534^29	4257F24	4473^28	4526^29			
44	4324F25	4540^29	4594^30	4314F25	4532^29	4586^30			
42	4363F26	4571^30	4624^30	4353F26	4563^29	4616^30			
40	4378F26	4586^30	4639^31	4368F26	4578^30	4632^31			
38	4389F26	4594^30	4648^31	4379F26	4587^30	4641^31			
36	4400F26	4603^30	4656^31	4390F26	4596^30	4649^31			
34	4410F27	4612^30	4664^31	4401F26	4604^30	4658^31			
32	4421F27	4620^30	4673^31	4412F27	4613^30	4666^31			
30	4431F27	4629^31	4681^31	4423F27	4622^30	4675^31			
20	4488F28	4673^31	4724^32	4479F28	4665^31	4718^32			
10	4545F29	4712^32	4761^33	4493^28	4654^31	4702^32			
0	4592^30	4757^33	4809^34	4542^29	4699^32	4757^33			
-10	4636^31	4797^33	4859^34	4581^30	4739^33	4801^34			
	High QNH **+60** per .10" Low QNH **-160** per .10"			High QNH **+60** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-580** Wing A/I ON **-580**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
48	4092F 8	4364^18	4437^22	4086F 8	4358^18	4430^22			
46	4163F 9	4447^19	4522^22	4156F 9	4439^19	4514^22			
44	4214F 9	4502^20	4578^23	4206F 9	4495^19	4571^23			
42	4244F10	4532^20	4609^24	4238F10	4525^20	4602^24			
40	4261F10	4549^21	4626^24	4254F10	4541^21	4619^24			
38	4273F11	4560^21	4636^24	4266F11	4553^21	4630^24			
36	4285F11	4570^21	4647^25	4278F11	4563^21	4640^25			
34	4295F11	4581^22	4657^25	4288F11	4574^22	4651^25			
32	4307F12	4592^22	4668^26	4301F12	4585^22	4662^25			
30	4320F12	4603^22	4679^26	4313F12	4596^22	4672^26			
20	4384F14	4659^24	4724D28	4378F14	4652^24	4718D28			
10	4449F16	4710^26	4761D30	4411F16	4654D26	4702D30			
0	4520F18	4757D28	4809D32	4483F18	4699D28	4757D32			
-10	4586^20	4797D31	4859D34	4537^20	4739D31	4801D34			
	High QNH **+70** per .10" Low QNH **-160** per .10"			High QNH **+70** per .10" Low QNH **-160** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-580** Wing A/I ON **-580**			Engine A/I ON **+0** Wing A/I ON **+0**			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 22 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3165F91	4210^98	4258^ 2	2961F97	3649F 4	3841F 7			
26	3207F91	4212^99	4261^ 2	2981F97	3667F 4	3862F 7			
24	3244F92	4214^99	4262^ 3	2999F97	3684F 5	3879F 7			
22	3276F92	4215^99	4264^ 3	3019F98	3704F 5	3896F 7			
20	3312F92	4217^ 0	4266^ 3	3040F98	3722F 5	3907F 8			
18	3351F92	4218^ 0	4267^ 4	3040F98	3736F 5	3928F 8			
16	3386F92	4217^ 1	4267^ 4	3080F98	3761F 6	3943F 8			
14	3425F93	4216^ 1	4265^ 5	3101F99	3778F 6	3961F 9			
12	3462F93	4215^ 2	4264^ 5	3121F99	3807F 6	3977F 9			
10	3499F93	4215^ 2	4266^ 6	3144F99	3834F 6	3995F 9			
0	3683F94	4226^ 4	4277^ 8	3273F 1	3931F 8	4077F11			
-10	3733F96	4228^ 6	4281^10	3465F 2	4016F10	4154F13			
-20	3913F98	4228^ 9	4283^13	3598F 3	4098F11	4266F14			
-30	4060^99	4226^11	4274D15	3686F 4	4187F13	4270^15			
	High QNH **+10** per .10" Low QNH **-30** per .10"			High QNH **+90** per .10" Low QNH **-190** per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON **-690** Wing A/I ON **-690**			Engine A/I ON **-480** Wing A/I ON **-480**			Engine A/I ON Wing A/I ON		

Elevation	46	Length	7218	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.22
Rwy Rev.		Program						Rules	FAA		**26 Oct 17**

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TAR Mexico **EMB-145** **AE3007A1**

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		8141'		**DT H022**	**8141'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
34	89.1	3952^21	4032^23	4058^23
32	89.4	4029^22	4110^24	4137^24
30	89.7	4109^23	4190^25	4217^25
28	89.9	4190^25	4272^26	4299^27
26	90.1	4270^26	4353^27	4381^28
24	90.4	4344F27	4434^29	4462^29
22	90.6	4398F28	4516^30	4544^30
20	90.8	4445F28	4546^30	4574^31
18	90.5	4459F29	4558^30	4587^31
16	90.2	4472F29	4564^30	4593^31
14	89.9	4478^29	4565^30	4594^31
10	89.3	4478^29	4566^30	4595^31
0	87.7	4475^29	4566^30	4597^31
-10	86.1	4459^29	4553^30	4583^31
-20	84.5	4452^28	4548^30	4580^31
-30	82.8	4436^28	4536^30	4569^31

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3945^11	4032D20	4058D23	4112
4018F11	4110D21	4137D24	4191
4072F11	4190D21	4217D24	4271
4128F12	4271^21	4299D24	4353
4183F12	4351^22	4381D25	4436
4237F13	4432^22	4462D25	4517
4290F13	4511^22	4544^25	4599
4332F14	4542^23	4574^26	4634
4347F14	4555^23	4586^27	4642
4361F15	4561^24	4593D27	4650
4374F15	4563^24	4594D27	4652
4401F16	4564^25	4595D28	4654
4467^18	4566D27	4597D31	4657
4454^20	4553D30	4583D31	4647
4450^22	4548D30	4580D31	4650
4436D25	4536D30	4569D31	4642

High QNH **+100** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-5340** — Wing A/I ON **-5340**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
34	92.5	3962^21	4041^23	4067^23
32	92.9	4040^22	4119^24	4146^24
30	93.2	4120^24	4200^25	4227^26
28	93.6	4201^25	4281^26	4308^27
26	94.0	4282^26	4363^28	4391^28
24	94.2	4363^27	4446^29	4473^29
22	94.2	4444^28	4528^30	4556^30
20	94.2	4475^29	4559^30	4587^31
18	93.9	4489^29	4574^31	4602^31
16	93.6	4495^29	4581^31	4608^31
14	93.3	4495^29	4581^31	4609^31
10	92.7	4495^29	4581^31	4610^31
0	91.0	4492^29	4581^31	4611^31
-10	89.3	4474^29	4567^30	4597^31
-20	87.6	4468^29	4563^30	4594^31
-30	85.9	4452^28	4550^30	4583^31

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
3955^12	4041D22	4067D23	4112
4032^13	4119D22	4146D25	4191
4111^13	4200D23	4227D26	4271
4191^13	4281D23	4308D26	4353
4249F14	4363^23	4391D27	4436
4308F14	4444^24	4473D27	4517
4367F15	4525^24	4556D27	4599
4414F15	4557^25	4587D28	4634
4445F16	4572^26	4602D29	4642
4462F17	4580^26	4608D30	4650
4476F17	4581^27	4609D30	4652
4484^18	4581D28	4610D31	4654
4484^20	4581D30	4611D31	4657
4472^23	4567D31	4597D31	4647
4468D25	4563D30	4594D31	4650
4452D28	4550D30	4583D31	4642

High QNH **+100** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-5370** — Wing A/I ON **-5370**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
34	92.5	3998F27-27-36	4158^30-30-39	4171C31-31-39	4171C31-31-39
32	92.9	4057F28-28-37	4239^32-32-40	4250C32-32-40	4250C32-32-40
30	93.2	4120^24-24-33	4321^33-33-41	4329C33-33-42	4329C33-33-42
28	93.6	4201^25-25-34	4387F34-34-42	4412C34-34-43	4412C34-34-43
26	94.0	4282^26-26-35	4447F35-35-43	4494C36-36-44	4494C36-36-44
24	94.2	4363^27-27-37	4510F36-36-44	4576C37-37-45	4576C37-37-45
22	94.2	4444^28-28-38	4576F37-37-45	4653F38-38-47	4658C38-38-47
20	94.2	4475^29-29-38	4631F37-37-46	4705C39-39-47	4705C39-39-47
18	93.9	4489^29-29-39	4672F38-38-47	4709C39-39-47	4709C39-39-47
16	93.6	4495^29-29-39	4689F38-38-47	4713C39-39-47	4713C39-39-47
14	93.3	4495^29-29-39	4702F39-39-47	4715C39-39-48	4715C39-39-48
10	92.7	4498F35-35-44	4716^39-39-48	4718C39-39-48	4718C39-39-48
0	91.0	4559F36-36-45	4716^39-39-48	4724C39-39-48	4724C39-39-48
-10	89.3	4613^37-37-46	4702^39-39-47	4713C39-39-47	4713C39-39-47
-20	87.6	4607^37-37-46	4698^38-38-47	4721C39-39-48	4721C39-39-48
-30	85.9	4590^37-37-46	4684^38-38-47	4712C39-39-47	4712C39-39-47

High QNH **+100** per .10" — Low QNH **-170** per .10"

Engine A/I ON **-5510** — Wing A/I ON **-5510**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	7141	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.07
Rwy Rev.		Program						Rules	FAA		**10 Feb 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3962^21	4041^23	4067^23	3957^21	4035^23	4062^23			
32	4040^22	4119^24	4146^24	4035^22	4114^24	4140^24			
30	4120^24	4200^25	4227^26	4115^24	4195^25	4222^26			
28	4201^25	4281^26	4308^27	4196^25	4277^26	4304^27			
26	4282^26	4363^28	4391^28	4278^26	4359^27	4387^28			
24	4363^27	4446^29	4473^29	4360^27	4442^29	4470^29			
22	4444^28	4528^30	4556^30	4441^28	4525^30	4553^30			
20	4475^29	4559^30	4587^31	4472^29	4556^30	4584^31			
18	4489^29	4574^31	4602^31	4486^29	4571^31	4599^31			
16	4495^29	4581^31	4608^31	4492^29	4578^31	4605^31			
14	4495^29	4581^31	4609^31	4492^29	4578^31	4606^31			
10	4495^29	4581^31	4610^31	3959^21	4043^23	4070^23			
0	4492^29	4581^31	4611^31	4406^28	4494^29	4523^30			
-10	4474^29	4567^30	4597^31	4394^28	4485^29	4514^30			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -5370 Wing A/I ON -5370			Engine A/I ON -170 Wing A/I ON -170			Engine A/I ON Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3955^12	4041D22	4067D23	3950^12	4035D22	4062D23			
32	4032^13	4119D22	4146D25	4027^12	4114D22	4140D24			
30	4111^13	4200D23	4227D26	4106^13	4195D22	4222D26			
28	4191^13	4281D23	4308D26	4184F13	4277D23	4304D26			
26	4249F14	4363^23	4391D27	4241F14	4359^23	4387D26			
24	4308F14	4444^24	4473D27	4299F14	4441^24	4470D27			
22	4367F15	4525^24	4556D27	4359F15	4522^24	4553D27			
20	4414F15	4557^25	4587D28	4407F15	4554^25	4584D28			
18	4445F16	4572^26	4602D29	4438F16	4570^26	4599D29			
16	4462F17	4580^26	4608D30	4455F16	4577^26	4605D30			
14	4476F17	4581^27	4609D30	4468F17	4578^27	4606D30			
10	4484^18	4581D28	4610D31	3959D21	4043D23	4070D23			
0	4484^20	4581D30	4611D31	4401^20	4494D30	4523D30			
-10	4472^23	4567D31	4597D31	4394^23	4485D29	4514D30			
	High QNH +100 per .10" Low QNH -170 per .10"			High QNH +100 per .10" Low QNH -210 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -5370 Wing A/I ON -5370			Engine A/I ON -170 Wing A/I ON -170			Engine A/I ON Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3666F93	3877F 2	3950F 5	3376F98	3556F 6	3617F 9			
26	3723F94	3936F 2	4010F 5	3435F98	3618F 7	3680F 9			
24	3781F94	3996F 3	4071F 6	3494F99	3680F 7	3744F10			
22	3837F94	4055F 3	4132F 6	3553F99	3747F 8	3810F10			
20	3879F95	4100F 4	4178F 7	3600F 0	3798F 8	3862F11			
18	3899F95	4125F 4	4203F 7	3629F 0	3832F 9	3896F12			
16	3912F96	4140F 5	4218F 8	3642F 1	3844F 9	3910F12			
14	3925F96	4152F 5	4232F 8	3652F 1	3855F10	3921F12			
12	3935F96	4164F 5	4243F 8	3662F 1	3865F10	3932F13			
10	3946F97	4176F 6	4256F 9	3673F 2	3875F10	3943F13			
0	4002F99	4237F 8	4321F11	3724F 3	3928F12	3999F15			
-10	4052F 1	4296F10	4381F13	3767F 5	3975F14	4048F17			
-20	4112F 3	4363F12	4448F15	3821F 7	4032F16	4110F19			
-30	4172F 5	4430F14	4518F17	3869F 9	4089F18	4173F21			
	High QNH +110 per .10" Low QNH -150 per .10"			High QNH +110 per .10" Low QNH -160 per .10"			High QNH per .10" Low QNH per .10"		
	Engine A/I ON -2520 Wing A/I ON -2520			Engine A/I ON -2350 Wing A/I ON -2350			Engine A/I ON Wing A/I ON		

Elevation 7141 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope -0.07

Rwy Rev. Program Rules FAA **10 Feb 20**

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ZACATECAS -ZCL 20 *SPECIAL*

Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		D3.0 ZCL	***7600'**	**LT H180**	**8141'**	

*USE ONLY IF ZCL VOR OTS

A/C **AUTO**

OAT °C	N1%	ALT TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	ALT TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
34	89.1	3951^21	4031^23	4057^23	3943^11	4031D20	4057D23	4112
32	89.4	4028^22	4108^24	4135^24	4004F11	4108D21	4135D24	4191
30	89.7	4108^23	4189^25	4216^25	4057F12	4189D21	4216D24	4271
28	89.9	4188^25	4270^26	4297^27	4113F12	4269^21	4297D24	4353
26	90.1	4267F26	4352^27	4379^28	4169F13	4350^22	4379D25	4436
24	90.4	4325F27	4433^29	4461^29	4223F13	4430^22	4461D25	4517
22	90.6	4381F27	4514^30	4542^30	4275F14	4510^22	4542^25	4599
20	90.8	4425F28	4544^30	4572^31	4317F14	4540^23	4572^26	4634
18	90.5	4439F28	4556^30	4585^31	4333F14	4552^23	4585^27	4642
16	90.2	4452F28	4563^30	4591^31	4346F15	4559^24	4592^27	4650
14	89.9	4464F29	4563^30	4592^31	4360F15	4561^24	4592D27	4652
10	89.3	4476^29	4564^30	4594^31	4386F16	4563^25	4594D28	4654
0	87.7	4474^29	4564^30	4595^31	4453F18	4564D28	4595D31	4657
-10	86.1	4457^28	4551^30	4581^31	4452^20	4551D30	4581D31	4647
-20	84.5	4450^28	4546^30	4579^31	4448^22	4546D30	4579D31	4650
-30	82.8	4434^28	4534^30	4568^30	4434D25	4534D30	4568D31	4642

High QNH **+100** per .10" Low QNH **-170** per .10"
Engine A/I ON **-5330** Wing A/I ON **-5330**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY Flaps 9 -10T	+0	+10H	TO-1 - WET RWY Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
34	92.5	3961^21	4039^23	4066^23	3955^12	4039D22	4066D23	4112
32	92.9	4038^22	4118^24	4144^24	4031^13	4118D22	4144D25	4191
30	93.2	4118^24	4198^25	4225^26	4109^13	4198D23	4225D26	4271
28	93.6	4199^25	4280^26	4307^27	4178F13	4280D23	4307D26	4353
26	94.0	4280^26	4362^28	4389^28	4235F14	4361^23	4389D27	4436
24	94.2	4361^27	4444^29	4472^29	4293F14	4443^24	4472D27	4517
22	94.2	4443^28	4527^30	4555^30	4352F15	4524^24	4555D28	4599
20	94.2	4474^29	4557^30	4585^31	4400F16	4555^25	4585D28	4634
18	93.9	4487^29	4572^31	4601^31	4431F16	4571^26	4601D29	4642
16	93.6	4493^29	4579^31	4607^31	4447F17	4578^27	4607D30	4650
14	93.3	4494^29	4580^31	4608^31	4461F17	4580^27	4608D30	4652
10	92.7	4493^29	4580^31	4609^31	4482^18	4580D28	4609D31	4654
0	91.0	4491^29	4580^31	4609^31	4483^20	4580D30	4609D31	4657
-10	89.3	4473^29	4565^30	4596^31	4470^23	4565D31	4596D31	4647
-20	87.6	4466^29	4561^30	4593^31	4466D25	4561D30	4593D31	4650
-30	85.9	4450^28	4549^30	4582^31	4450D28	4549D30	4582D31	4642

High QNH **+100** per .10" Low QNH **-170** per .10"
Engine A/I ON **-5370** Wing A/I ON **-5370**

A/C **AUTO**

OAT °C	N1%	TO-1 - DRY RWY - OPT V2 Flaps 9 -10T	+0	+10H	+20H
34	92.5	3982F27-27-36	4157^30-30-39	4171C31-31-39	4171C31-31-39
32	92.9	4039F28-28-37	4237^32-32-40	4250C32-32-40	4250C32-32-40
30	93.2	4118^24-24-33	4308F33-33-41	4329C33-33-42	4329C33-33-42
28	93.6	4199^25-25-34	4368F34-34-42	4412C34-34-43	4412C34-34-43
26	94.0	4280^26-26-35	4428F34-34-43	4494C36-36-44	4494C36-36-44
24	94.2	4361^27-27-37	4489F35-35-44	4565F37-37-45	4576C37-37-45
22	94.2	4443^28-28-38	4556F36-36-45	4633F38-38-46	4658C38-38-47
20	94.2	4474^29-29-38	4611F37-37-46	4689F38-38-47	4705C39-39-47
18	93.9	4487^29-29-38	4652F38-38-47	4709C39-39-47	4709C39-39-47
16	93.6	4493^29-29-39	4669F38-38-47	4713C39-39-47	4713C39-39-47
14	93.3	4494^29-29-39	4682F38-38-47	4715C39-39-48	4715C39-39-48
10	92.7	4493^29-29-39	4708F39-39-47	4718C39-39-48	4718C39-39-48
0	91.0	4539F36-36-45	4715^39-39-48	4724C39-39-48	4724C39-39-48
-10	89.3	4595F37-37-46	4700^39-39-47	4713C39-39-47	4713C39-39-47
-20	87.6	4605^37-37-46	4696^38-38-47	4721C39-39-48	4721C39-39-48
-30	85.9	4589^37-37-46	4683^38-38-47	4712C39-39-47	4712C39-39-47

High QNH **+100** per .10" Low QNH **-170** per .10"
Engine A/I ON **-5440** Wing A/I ON **-5440**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	7141	Length	9843	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.07
Rwy Rev.		Program						Rules	FAA		**10 Feb 20**

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A/C **AUTO**

OAT °C	DRY - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	DRY - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3961^21	4039^23	4066^23	3955^21	4034^23	4060^23			
32	4038^22	4118^24	4144^24	4033^22	4113^24	4139^24			
30	4118^24	4198^25	4225^26	4114^24	4194^25	4221^26			
28	4199^25	4280^26	4307^27	4195^25	4276^26	4303^27			
26	4280^26	4362^28	4389^28	4276^26	4358^27	4385^28			
24	4361^27	4444^29	4472^29	4358^27	4441^29	4468^29			
22	4443^28	4527^30	4555^30	4440^28	4524^30	4552^30			
20	4474^29	4557^30	4585^31	4471^29	4555^30	4583^31			
18	4487^29	4572^31	4601^31	4484^29	4570^31	4598^31			
16	4493^29	4579^31	4607^31	4490^29	4576^31	4605^31			
14	4494^29	4580^31	4608^31	4490^29	4576^31	4604^31			
10	4493^29	4580^31	4609^31	3958^21	4041^23	4069^23			
0	4491^29	4580^31	4609^31	4404^28	4492^29	4522^30			
-10	4473^29	4565^30	4596^31	4392^28	4484^29	4513^30			
	High QNH +100 per .10"			High QNH +100 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -210 per .10"			Low QNH per .10"		
	Engine A/I ON -5370			Engine A/I ON -170			Engine A/I ON		
	Wing A/I ON -5370			Wing A/I ON -170			Wing A/I ON		

OAT °C	WET - 1 FLP CHNL INOP Flaps 9 -10T	+0	+10H	WET - EAI VLV INOP OPEN Flaps 9 -10T	+0	+10H	Flaps -10T	+0	+10H
34	3955^12	4039D22	4066D23	3949^12	4034D22	4060D23			
32	4031^13	4118D22	4144D25	4025^12	4113D22	4139D24			
30	4109^13	4198D23	4225D26	4105^13	4194D23	4221D26			
28	4178F13	4280D23	4307D26	4170F13	4276D23	4303D26			
26	4235F14	4361^23	4389D27	4226F14	4358D23	4385D26			
24	4293F14	4443^24	4472D27	4285F14	4440^24	4468D27			
22	4352F15	4524^24	4555D28	4344F15	4521^24	4552D27			
20	4400F16	4555^25	4585D28	4392F16	4552^25	4583D28			
18	4431F16	4571^26	4601D29	4423F16	4568^26	4598D29			
16	4447F17	4578^27	4607D30	4440F17	4575^26	4605D30			
14	4461F17	4580^27	4608D30	4454F17	4576^27	4604D30			
10	4482^18	4580D28	4609D31	3958D21	4041D23	4069D23			
0	4483^20	4580D30	4609D31	4399^20	4492D29	4522D30			
-10	4470^23	4565D31	4596D31	4392^23	4484D29	4513D30			
	High QNH +100 per .10"			High QNH +100 per .10"			High QNH per .10"		
	Low QNH -170 per .10"			Low QNH -210 per .10"			Low QNH per .10"		
	Engine A/I ON -5370			Engine A/I ON -170			Engine A/I ON		
	Wing A/I ON -5370			Wing A/I ON -170			Wing A/I ON		

OAT °C	LEVEL 1 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 2 CONTAM Flaps 9 -10T	+0	+10H	LEVEL 3 CONTAM Flaps -10T	+0	+10H
28	3656F94	3865F 3	3939F 5	3369F98	3548F 7	3609F 9			
26	3712F94	3924F 3	3998F 6	3428F99	3610F 7	3671F10			
24	3768F95	3984F 3	4059F 6	3487F99	3674F 7	3736F10			
22	3826F95	4043F 4	4120F 7	3546F 0	3738F 8	3801F11			
20	3868F95	4089F 4	4165F 7	3592F 0	3788F 8	3853F11			
18	3889F96	4114F 5	4191F 8	3621F 1	3823F 9	3887F12			
16	3901F96	4128F 5	4206F 8	3635F 1	3837F10	3901F12			
14	3913F97	4140F 5	4219F 8	3646F 1	3846F10	3912F13			
12	3923F97	4153F 6	4231F 9	3655F 2	3856F10	3923F13			
10	3935F97	4165F 6	4246F 9	3665F 2	3866F11	3934F13			
0	3989F99	4225F 8	4309F11	3715F 4	3918F12	3990F15			
-10	4040F 1	4283F10	4369F13	3762F 6	3967F14	4042F17			
-20	4098F 3	4350F12	4437F15	3812F 7	4021F16	4102F19			
-30	4159F 5	4417F15	4504F18	3860F 9	4080F18	4164F21			
	High QNH +110 per .10"			High QNH +110 per .10"			High QNH per .10"		
	Low QNH -150 per .10"			Low QNH -160 per .10"			Low QNH per .10"		
	Engine A/I ON -2500			Engine A/I ON -2310			Engine A/I ON		
	Wing A/I ON -2500			Wing A/I ON -2310			Wing A/I ON		

Elevation 7141 Length 9843 Shift **0** Clearway 0 Stopway 0 Slope +0.07

Rwy Rev. Program Rules FAA **10 Feb 20**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		200'		**RT H145**	**1026'**	

A/C **AUTO**

ALT TO-1 - DRY RWY | **ALT TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	87.6	4184^23	4338^26	4391^27	4171^15	4338D25	4391D28	4723
46	87.7	4269^24	4427^27	4482^28	4252^15	4427D25	4482D28	4842
44	87.6	4317^25	4477^28	4533^29	4298^16	4477D26	4533D29	4900
42	87.4	4333^25	4494^28	4550^29	4314^16	4494D26	4550D29	4947
40	87.1	4347^25	4509^28	4565^29	4329^16	4509D26	4565D30	4959
38	86.8	4354^26	4516^28	4572^30	4338^17	4516D27	4572D30	4961
36	86.6	4361^26	4523^29	4580^30	4348^17	4523D27	4580D30	4962
34	86.3	4369^26	4531^29	4587^30	4357^17	4531D27	4587D31	4964
32	86.0	4376^26	4539^29	4595^30	4366^18	4539D28	4595D31	4966
30	85.7	4384^26	4546^29	4603^30	4375^18	4546D28	4603D31	4968
20	84.3	4423^27	4587^30	4643^31	4423^20	4587D30	4643D32	4976
10	82.8	4457^27	4620^30	4676^31	4457D22	4620D31	4676D32	4973
0	81.3	4497^28	4662^31	4718^32	4497D24	4662D32	4718D33	4984
-10	79.8	4532^29	4697^32	4754^33	4532D26	4697D33	4754D34	4988
-20	78.3	4565^29	4729^32	4787^33	4565D28	4729D33	4787D34	4985
-30	76.7	4596^30	4760^33	4817^34	4596D31	4760D34	4817D35	4983

High QNH **+60** per .10" — Engine A/I ON **-620**
Low QNH **-160** per .10" — Wing A/I ON **-620**

A/C **AUTO**

TO-1 - DRY RWY | **TO-1 - WET RWY**

OAT °C	N1%	Flaps 9 -10T	+0	+10H	Flaps 9 -10T	+0	+10H	Dry Rwy Climb Limit
48	90.8	4234^24	4385^27	4437^28	4220^16	4385D26	4437D29	4723
46	90.9	4323^25	4478^28	4531^29	4303^17	4478D27	4531D30	4842
44	90.8	4379^26	4536^29	4590^30	4355^17	4536D28	4590D31	4900
42	90.5	4406^27	4564^29	4618^30	4383^18	4564D28	4618D31	4947
40	90.2	4420^27	4578^30	4632^31	4398^19	4578D29	4632D32	4959
38	90.0	4427^27	4586^30	4639^31	4407^19	4586D29	4639D32	4961
36	89.7	4434^27	4592^30	4646^31	4416^19	4592D29	4646D32	4962
34	89.4	4441^27	4599^30	4654^31	4426^20	4599D30	4654D32	4964
32	89.1	4449^27	4607^30	4661^31	4435^20	4607D30	4661D32	4966
30	88.8	4456^27	4615^30	4668^31	4445^20	4615D31	4668D32	4968
20	87.3	4493^28	4652^31	4706^32	4493D22	4652D32	4706D33	4976
10	85.8	4524^29	4683^31	4737^32	4524D24	4683D32	4737D33	4973
0	84.2	4563^29	4722^32	4777^33	4563D26	4722D33	4777D34	4984
-10	82.7	4597^30	4756^33	4811^34	4597D29	4756D34	4811D34	4988
-20	81.1	4627^30	4785^33	4840^34	4627D31	4785D34	4840D35	4985
-30	79.5	4654^31	4813^34	4868^35	4654D32	4813D34	4868D35	4983

High QNH **+60** per .10" — Engine A/I ON **-660**
Low QNH **-160** per .10" — Wing A/I ON **-660**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2

OAT °C	N1%	Flaps 9 -10T	+0	+10H	+20H
48	90.8	4234^24-24-35	4385^27-27-37	4437^28-28-38	4490^29-29-38
46	90.9	4323^25-25-36	4478^28-28-38	4531^29-29-39	4585^30-30-40
44	90.8	4379^26-26-37	4536^29-29-39	4590^30-30-40	4645^31-31-41
42	90.5	4406^27-27-37	4564^29-29-39	4618^30-30-40	4672^31-31-41
40	90.2	4420^27-27-37	4578^30-30-40	4632^31-31-40	4687^32-32-41
38	90.0	4427^27-27-37	4586^30-30-40	4639^31-31-41	4694^32-32-41
36	89.7	4434^27-27-38	4592^30-30-40	4646^31-31-41	4701^32-32-41
34	89.4	4441^27-27-38	4599^30-30-40	4654^31-31-41	4709^32-32-42
32	89.1	4449^27-27-38	4607^30-30-40	4661^31-31-41	4716^32-32-42
30	88.8	4456^27-27-38	4615^30-30-40	4668^31-31-41	4724^32-32-42
20	87.3	4493^28-28-38	4652^31-31-41	4706^32-32-42	4762^33-33-42
10	85.8	4524^29-29-39	4683^31-31-41	4737^32-32-42	4793^33-33-43
0	84.2	4563^29-29-39	4722^32-32-42	4777^33-33-43	4833^34-34-43
-10	82.7	4597^30-30-40	4756^33-33-42	4811^34-34-43	4867^35-35-44
-20	81.1	4627^30-30-40	4785^33-33-43	4840^34-34-43	4897^35-35-44
-30	79.5	4654^31-31-41	4813^34-34-43	4868^35-35-44	4925^35-35-45

High QNH **+60** per .10" — Engine A/I ON **-660**
Low QNH **-160** per .10" — Wing A/I ON **-660**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	26	Length	8222	Shift	**0**	Clearway	0	Stopway	0	Slope	+0.16
Rwy Rev.		Program						Rules	FAA		**07 Feb 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4234^24	4385^27	4437^28
46	4323^25	4478^28	4531^29
44	4379^26	4536^29	4590^30
42	4406^27	4564^29	4618^30
40	4420^27	4578^30	4632^31
38	4427^27	4586^30	4639^31
36	4434^27	4592^30	4646^31
34	4441^27	4599^30	4654^31
32	4449^27	4607^30	4661^31
30	4456^27	4615^30	4668^31
20	4493^28	4652^31	4706^32
10	4524^29	4683^31	4737^32
0	4563^29	4722^32	4777^33
-10	4597^30	4756^33	4811^34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-660**
Wing A/I ON **-660**

DRY - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4228^24	4378^27	4430^28
4316^25	4470^28	4524^29
4371^26	4529^29	4583^30
4399^26	4557^29	4611^30
4413^27	4572^30	4625^30
4420^27	4578^30	4633^31
4428^27	4586^30	4640^31
4435^27	4593^30	4647^31
4442^27	4601^30	4655^31
4449^27	4608^30	4662^31
4487^28	4646^31	4700^32
4468^28	4622^31	4675^32
4507^29	4661^31	4715^32
4534^29	4689^32	4743^33

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4220^16	4385D26	4437D29
46	4303^17	4478D27	4531D30
44	4355^17	4536D28	4590D31
42	4383^18	4564D28	4618D31
40	4398^19	4578D29	4632D32
38	4407^19	4586D29	4639D32
36	4416^19	4592D29	4646D32
34	4426^20	4599D30	4654D32
32	4435^20	4607D30	4661D32
30	4445^20	4615D31	4668D32
20	4493D22	4652D32	4706D33
10	4524D24	4683D32	4737D33
0	4563D26	4722D33	4777D34
-10	4597D29	4756D34	4811D34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **-660**
Wing A/I ON **-660**

WET - EAI VLV INOP OPEN

Flaps 9 -10T	+0	+10H
4214^16	4378D26	4430D29
4296^17	4470D27	4524D30
4348^17	4529D27	4583D31
4377^18	4557D28	4611D31
4392^18	4572D29	4625D32
4402^19	4578D29	4633D32
4411^19	4586D29	4640D32
4420^20	4593D30	4647D32
4429^20	4601D30	4655D32
4439^20	4608D31	4662D32
4487D22	4646D32	4700D33
4468D24	4622D32	4675D33
4507D26	4661D32	4715D33
4534D29	4689D33	4743D34

High QNH **+60** per .10"
Low QNH **-160** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	4001F98	4236^ 8	4311^11
26	4011F98	4247^ 8	4323^12
24	4021F98	4256^ 9	4334^12
22	4033F99	4268^ 9	4345^12
20	4042F99	4278^ 9	4355^13
18	4052F99	4288^10	4366^13
16	4062F 0	4298^10	4377^14
14	4072F 0	4309^11	4388^14
12	4082F 0	4318^11	4398^15
10	4093F 1	4328^11	4409^15
0	4153F 3	4386^13	4470^17
-10	4211F 5	4443^16	4529^19
-20	4261^ 7	4499^18	4588^22
-30	4310^ 9	4556^20	4647^24

High QNH **+70** per .10"
Low QNH **-50** per .10"

Engine A/I ON **-510**
Wing A/I ON **-510**

LEVEL 2 CONTAM

Flaps 22 -10T	+0	+10H
3556F 3	4007F11	4169F13
3575F 3	4024F11	4188F13
3581F 3	4042F11	4207F14
3591F 4	4059F11	4226F14
3604F 4	4077F12	4245F14
3615F 4	4094F12	4265F14
3627F 5	4114F12	4284^15
3635F 5	4134F13	4281^15
3654F 5	4154F13	4278^15
3666F 5	4174F13	4278^15
3745F 7	4240^14	4284^15
3832F 9	4236^14	4281^15
3947F10	4229^14	4276^15
4056F11	4220^14	4268^14

High QNH **+10** per .10"
Low QNH **-90** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation 26 Length 8222 Shift **0** Clearway 0 Stopway 0 Slope +0.16
Rwy Rev. Program Rules FAA **07 Feb 19**

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Engine Failure Procedure

CLIMB AT	VIA	REACHING	OR	TURN	FLAP RETRACT	HOLD
		1026'		**DT H266**	**1026'**	

A/C **AUTO**

ALT TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	87.6	4386F27	4638^31	4670^32
46	87.7	4464F28	4722F32	4785^34
44	87.6	4509F28	4772F33	4862F35
42	87.4	4526F29	4790F33	4878F35
40	87.1	4542F29	4807F34	4896F35
38	86.8	4553F29	4819F34	4908F35
36	86.6	4564F29	4830F34	4921F35
34	86.3	4575F30	4843F34	4932^36
32	86.0	4587F30	4855F34	4934^36
30	85.7	4599F30	4868F35	4935^36
20	84.3	4659F31	4903^35	4941^36
10	82.8	4720F32	4896^35	4934^36
0	81.3	4784F33	4901^35	4940^36
-10	79.8	4777^33	4898^35	4939^36
-20	78.3	4765^33	4890^35	4932^36
-30	76.7	4751^33	4880^35	4924^35

ALT TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4307F14	4604F23	4669^26	4723
4380F14	4682F24	4782^27	4842
4425F15	4730F24	4835F27	4900
4442F15	4749F25	4854F28	4947
4459F16	4767F25	4873F28	4959
4471F16	4780F25	4886F28	4961
4483F16	4793F26	4900F29	4962
4496F17	4807F26	4914F29	4964
4509F17	4821F26	4927F29	4966
4522F17	4835F27	4933^30	4968
4588F19	4901^28	4941D32	4976
4654F21	4896D31	4934D34	4973
4728F23	4901D33	4940D36	4984
4773^25	4898D35	4939D36	4988
4765D27	4890D35	4932D36	4985
4751D30	4880D35	4924D36	4983

High QNH **+0** per .10" — Engine A/I ON **-850**
Low QNH **-170** per .10" — Wing A/I ON **-850**

A/C **AUTO**

TO-1 - DRY RWY — Flaps **9**

OAT °C	N1%	-10T	+0	+10H
48	90.8	4492F29	4648^32	4681^32
46	90.9	4571F30	4763^33	4796^34
44	90.8	4634F31	4848^34	4882^35
42	90.5	4677F31	4902^35	4936^36
40	90.2	4692F32	4909^35	4944^36
38	90.0	4704F32	4912^35	4946^36
36	89.7	4715F32	4912^35	4947^36
34	89.4	4726F32	4913^35	4949^36
32	89.1	4738F32	4915^35	4950^36
30	88.8	4750F33	4916^35	4951^36
20	87.3	4810F34	4920^35	4956^36
10	85.8	4799^33	4911^35	4950^36
0	84.2	4800^33	4916^35	4955^36
-10	82.7	4793^33	4913^35	4954^36
-20	81.1	4782^33	4905^35	4947^36
-30	79.5	4766^33	4895^35	4938^36

TO-1 - WET RWY — Flaps **9**

-10T	+0	+10H	Dry Rwy Climb Limit
4381F15	4645^25	4681D28	4723
4456F16	4758^25	4795^29	4842
4510F16	4827F26	4880^29	4900
4545F17	4867F27	4934^30	4947
4562F17	4885F27	4942^30	4959
4575F18	4899F27	4944^31	4961
4586F18	4908^28	4946^31	4962
4599F18	4909^28	4948^32	4964
4613F19	4911^29	4950D32	4966
4627F19	4913^29	4951D33	4968
4698F21	4920^31	4956D35	4976
4767F23	4911D34	4950D36	4973
4795^25	4916D35	4955D36	4984
4792^27	4913D35	4954D36	4988
4782D30	4905D35	4947D36	4985
4766D33	4895D35	4938D36	4983

High QNH **+0** per .10" — Engine A/I ON **-860**
Low QNH **-170** per .10" — Wing A/I ON **-860**

A/C **AUTO**

TO-1 - DRY RWY - OPT V2 — Flaps **9**

OAT °C	N1%	-10T	+0	+10H	+20H
48	90.8	4492F29-29-38	4648^32-32-41	4681^32-32-41	4746F39-39-48
46	90.9	4571F30-30-40	4763^33-33-42	4796^34-34-43	4832F40-40-49
44	90.8	4634F31-31-40	4848^34-34-44	4882^35-35-44	4900C35-35-44
42	90.5	4677F31-31-41	4902^35-35-44	4936^36-36-45	4947C36-36-45
40	90.2	4692F32-32-41	4909^35-35-44	4944^36-36-45	4959C36-36-45
38	90.0	4704F32-32-41	4912^35-35-44	4946^36-36-45	4971F42-42-51
36	89.7	4715F32-32-42	4912^35-35-45	4947^36-36-45	4976C42-42-51
34	89.4	4726F32-32-42	4913^35-35-45	4949^36-36-45	4977C42-42-51
32	89.1	4738F32-32-42	4915^35-35-45	4950^36-36-45	4979C42-42-51
30	88.8	4750F33-33-42	4916^35-35-45	4951^36-36-45	4981C42-42-51
20	87.3	4810F34-34-43	4920^35-35-45	4990C43-43-51	4990C43-43-51
10	85.8	4799^33-33-43	4970F42-42-51	4986C42-42-51	4986C42-42-51
0	84.2	4800^33-33-43	4998C43-43-52	4998C43-43-52	4998C43-43-52
-10	82.7	4830F40-40-49	5003C43-43-52	5003C43-43-52	5003C43-43-52
-20	81.1	4891F41-41-50	5000C43-43-52	5000C43-43-52	5000C43-43-52
-30	79.5	4915^41-41-50	4996C43-43-52	4996C43-43-52	4996C43-43-52

High QNH **+0** per .10" — Engine A/I ON **-890**
Low QNH **-170** per .10" — Wing A/I ON **-890**

ALL DATA BASED ON TO-1 UNLESS OTHERWISE NOTED

Elevation	26	Length	8222	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.16
Rwy Rev.		Program						Rules	FAA		**07 Feb 19**

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A/C **AUTO**

DRY - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4492F29	4648^32	4681^32
46	4571F30	4763^33	4796^34
44	4634F31	4848^34	4882^35
42	4677F31	4902^35	4936^36
40	4692F32	4909^35	4944^36
38	4704F32	4912^35	4946^36
36	4715F32	4912^35	4947^36
34	4726F32	4913^35	4949^36
32	4738F32	4915^35	4950^36
30	4750F33	4916^35	4951^36
20	4810F34	4920^35	4956^36
10	4799^33	4911^35	4950^36
0	4800^33	4916^35	4955^36
-10	4793^33	4913^35	4954^36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

DRY - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4481F29	4642^31	4675^32
46	4560F30	4757^33	4790^34
44	4622F30	4842^34	4876^35
42	4665F31	4897^35	4931^36
40	4681F31	4905^35	4939^36
38	4693F32	4907^35	4942^36
36	4704F32	4908^35	4943^36
34	4716F32	4909^35	4945^36
32	4727F32	4910^35	4946^36
30	4739F32	4911^35	4947^36
20	4799F33	4915^35	4952^36
10	4715^32	4826^34	4864^35
0	4714^32	4829^34	4868^35
-10	4707^32	4825^34	4865^35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

WET - 1 FLP CHNL INOP

OAT °C	Flaps 9 -10T	+0	+10H
48	4381F15	4645^25	4681D28
46	4456F16	4758^25	4795^29
44	4510F16	4827F26	4880^29
42	4545F17	4867F27	4934^30
40	4562F17	4885F27	4942^30
38	4575F18	4899F27	4944^31
36	4586F18	4908^28	4946^31
34	4599F18	4909^28	4948^32
32	4613F19	4911^29	4950D32
30	4627F19	4913^29	4951D33
20	4698F21	4920^31	4956D35
10	4767F23	4911D34	4950D36
0	4795^25	4916D35	4955D36
-10	4792^27	4913D35	4954D36

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **-860**
Wing A/I ON **-860**

WET - EAI VLV INOP OPEN

OAT °C	Flaps 9 -10T	+0	+10H
48	4373F15	4640^25	4675D28
46	4447F16	4752^25	4789^29
44	4502F16	4818F26	4874^29
42	4537F17	4857F27	4929^30
40	4554F17	4875F27	4937^30
38	4567F18	4890F27	4940^31
36	4580F18	4903^28	4942^31
34	4591F18	4905^28	4944^32
32	4605F19	4906^29	4946D32
30	4619F19	4908^29	4947D32
20	4690F21	4915^31	4952D35
10	4708^23	4826D34	4864D35
0	4711^25	4829D34	4868D35
-10	4707D28	4825D34	4865D35

High QNH **+0** per .10"
Low QNH **-170** per .10"

Engine A/I ON **+0**
Wing A/I ON **+0**

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

LEVEL 1 CONTAM

OAT °C	Flaps 9 -10T	+0	+10H
28	3661F98	4287F 7	4382F10
26	3820F98	4300F 7	4395F10
24	3930F98	4312F 7	4408F11
22	4057F98	4325F 8	4421F11
20	4069F98	4337F 8	4434F12
18	4080F98	4349F 9	4447F12
16	4089F99	4361F 9	4460F12
14	4102F99	4374F 9	4473F13
12	4112F99	4386F10	4484F13
10	4123F 0	4398F10	4498F14
0	4183F 2	4469F12	4572F16
-10	4241F 4	4537F14	4646F18
-20	4301F 6	4610F17	4723F20
-30	4364F 8	4685F19	4801F22

High QNH **+80** per .10"
Low QNH **-70** per .10"

Engine A/I ON **-470**
Wing A/I ON **-470**

LEVEL 2 CONTAM

OAT °C	Flaps 22 -10T	+0	+10H
28	3582F 2	3990F10	4150F13
26	3591F 2	4009F11	4169F13
24	3604F 2	4025F11	4188F13
22	3614F 3	4042F11	4207F14
20	3628F 3	4063F11	4227F14
18	3638F 3	4081F12	4244F14
16	3638F 3	4097F12	4267F15
14	3664F 4	4120F12	4283F15
12	3680F 4	4120F12	4281^15
10	3695F 5	4158F13	4281^15
0	3776F 6	4243^14	4287^15
-10	3870F 8	4239^14	4284^15
-20	3953F 9	4232^14	4278^15
-30	4038F11	4222^14	4270^15

High QNH **+10** per .10"
Low QNH **-100** per .10"

Engine A/I ON **-720**
Wing A/I ON **-720**

LEVEL 3 CONTAM

OAT °C	Flaps -10T	+0	+10H

High QNH per .10"
Low QNH per .10"

Engine A/I ON
Wing A/I ON

Elevation	26	Length	8222	Shift	**0**	Clearway	0	Stopway	0	Slope	-0.16
Rwy Rev.		Program						Rules	FAA		**07 Feb 19**

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LANDING DATA

MAXIMUM LANDING WEIGHT - FIELD LENGTH LIMIT - DISPATCH

Dry Runway

EMB-145

Flaps 22

	Corrected Landing Distance Available (ft)								
	Landing Weight (lb)								
P.A.	**4200**	**4400**	**4600**	**4800**	**5000**	**5200**	**5400**	**5600**	**5800**
8500						27510	28890	30330	31730
8000					26550	27950	29370	30830	32250
7500					26970	28380	29850	31320	32760
7000					27390	28840	30340	31820	33270
6500					27820	29310	30830	32320	33750
6000				26770	28260	29790	31330	32840	34260
5500				27190	28690	30270	31820	33330	34760
5000				27610	29160	30760	32320	33830	35270
4500			26490	28040	29630	31240	32830	34320	35810
4000			26900	28470	30110	31740	33330	34820	36360
3500			27300	28910	30580	32220	33800	35320	36910
3000			27720	29370	31060	32720	34290	35860	37470
2500		26490	28130	29830	31540	33210	34780	36390	38020
2000		26890	28560	30300	32020	33690	35280	36940	38580
1500		27280	28990	30760	32500	34160	35800	37480	39140
1000		27680	29440	31230	32990	34640	36330	38030	39710
500		28090	29890	31700	33450	35120	36860	38580	40250
0	26740	28500	30350	32170	33920	35630	37400	39140	40820

	Landing Weight (lb)								
P.A.	**5800**	**6000**	**6200**	**6400**	**6600**	**6800**	**7000**	**7200**	**7400**
8500	31730	33120	34410	35720	37060	38370	39670	40900	42120
8000	32250	33620	34930	36280	37640	38960	40250	41500	42760
7500	32760	34110	35460	36840	38200	39550	40830	42110	43390
7000	33270	34630	36010	37420	38790	40140	41440	42740	44040
6500	33750	35140	36560	37980	39380	40720	42040	43360	44660
6000	34260	35680	37130	38560	39970	41310	42660	44010	45310
5500	34760	36220	37690	39140	40540	41910	43290	44640	45960
5000	35270	36780	38270	39740	41130	42530	43930	45280	46620
4500	35810	37340	38840	40300	41720	43150	44560	45930	47270
4000	36360	37910	39430	40890	42340	43790	45200	46580	47940
3500	36910	38470	40000	41470	42940	44410	45830	47220	48600
3000	37470	39040	40570	42070	43570	45040	46480	47890	49280
2500	38020	39620	41140	42670	44190	45670	47120	48550	49950
2000	38580	40180	41730	43290	44820	46310	47780	49220	50640
1500	39140	40740	42310	43900	45430	46940	48430	49880	51310
1000	39710	41310	42920	44520	46070	47590	49090	50570	52000
500	40250	41880	43520	45120	46690	48230	49750	51230	52690
0	40820	42470	44140	45750	47330	48890	50430	51920	52910

See Adjustments On Next Page

MAXIMUM LANDING WEIGHT - FIELD LENGTH LIMIT - DISPATCH

Dry Runway

EMB-145

Flaps 22

Corrections to Landing Distance Available

Condition	Correction
Wet Runway	x 0.87
Headwind (30 kts max)	+ 23 ft/kt
Tailwind (10 kts max)	- 108 ft/kt

Instructions:

1. Correct landing distance available for non-normals.
2. Correct landing distance available for winds.
3. Determine field length limited weight using corrected landing dist. available.

MAXIMUM LANDING WEIGHT - FIELD LENGTH LIMIT - DISPATCH

Dry Runway

EMB-145

Flaps 45

	Corrected Landing Distance Available (ft)												
	Landing Weight (lb)												
P.A.	**3300**	**3500**	**3700**	**3900**	**4100**	**4300**	**4500**	**4700**	**4900**	**5100**	**5300**	**5500**	**5700**
8500					27760	29630	31520	33430	35400	37300	39190	41070	42940
8000					28210	30110	32030	33990	35980	37920	39840	41750	43650
7500				26740	28650	30580	32530	34540	36560	38530	40470	42410	44350
7000				27170	29110	31070	33040	35110	37170	39160	41130	43100	45060
6500				27590	29560	31550	33580	35680	37770	39780	41790	43790	45780
6000				28030	30030	32050	34130	36270	38390	40430	42470	44500	46510
5500			26460	28470	30500	32550	34680	36880	39000	41070	43140	45200	47250
5000			26880	28920	30980	33060	35240	37520	39630	41740	43840	45930	48000
4500			27290	29360	31460	33590	35820	38100	40260	42400	44530	46650	48760
4000			27720	29820	31950	34130	36430	38710	40900	43080	45240	47390	49530
3500			28140	30270	32430	34670	37030	39320	41540	43750	45940	48130	50290
3000			28570	30730	32920	35220	37630	39950	42200	44440	46670	48880	51080
2500		26820	29000	31200	33430	35790	38220	40580	42860	45130	47390	49630	51860
2000		27230	29440	31670	33960	36380	38850	41220	43530	45840	48130	50410	52670
1500		27630	29870	32140	34480	36950	39480	41850	44200	46530	48860	51180	52910
1000		28040	30310	32610	35010	37550	40100	42500	44880	47250	49620	51960	52910
500		28450	30750	33090	35550	38150	40700	43140	45560	47970	50370	52750	52910
0	26550	28870	31210	33600	36120	38760	41330	43810	46270	48710	51140	52910	52910

See Adjustments On Next Page

MAXIMUM LANDING WEIGHT - FIELD LENGTH LIMIT - DISPATCH

Dry Runway

EMB-145

Flaps 45

Corrections to Landing Distance Available

Condition	Correction
Wet Runway	x 0.87
Headwind (30 kts max)	+ 19 ft/kt
Tailwind (10 kts max)	- 87 ft/kt

Instructions:

1. Correct landing distance available for non-normals.
2. Correct landing distance available for winds.
3. Determine field length limited weight using corrected landing dist. available.

UNFACTORED LANDING DISTANCE - INFLIGHT USE ONLY

Dry Runway

EMB-145

Flaps 22

	Landing Weight (1000 lb)						
	Dry Runway Landing Distance (ft)						
P.A.	**27**	**29**	**31**	**33**	**35**	**37**	**39**
8500	3075	3249	3417	3589	3774	3955	4138
8000	3038	3209	3374	3544	3726	3903	4083
7500	3003	3171	3334	3500	3679	3854	4031
7000	2967	3133	3293	3457	3633	3804	3978
6500	2933	3096	3253	3415	3588	3757	3928
6000	2899	3059	3214	3373	3544	3709	3877
5500	2865	3023	3176	3333	3500	3663	3828
5000	2832	2988	3138	3292	3457	3617	3780
4500	2800	2953	3102	3253	3416	3573	3733
4000	2768	2919	3065	3214	3374	3529	3686
3500	2737	2886	3030	3177	3335	3487	3641
3000	2707	2854	2995	3140	3295	3445	3597
2500	2677	2822	2962	3104	3257	3405	3554
2000	2648	2791	2928	3068	3219	3364	3511
1500	2620	2761	2896	3034	3183	3326	3470
1000	2592	2731	2864	3000	3146	3287	3429
500	2565	2702	2833	2968	3111	3250	3390
0	2538	2673	2802	2935	3076	3213	3350

	Dry Runway Landing Distance (ft)						
P.A.	**41**	**43**	**45**	**47**	**49**	**51**	**53**
8500	4330	4526	4725	4933	4951	4951	4951
8000	4272	4463	4659	4862	4938	4938	4938
7500	4216	4404	4596	4795	4896	4896	4896
7000	4160	4344	4532	4727	4827	4827	4827
6500	4106	4287	4472	4663	4761	4761	4761
6000	4052	4230	4411	4599	4694	4694	4694
5500	4000	4175	4353	4537	4631	4631	4631
5000	3949	4120	4295	4475	4567	4567	4567
4500	3899	4067	4239	4416	4506	4506	4506
4000	3849	4015	4183	4357	4445	4445	4445
3500	3802	3965	4130	4300	4387	4387	4387
3000	3755	3914	4077	4244	4329	4329	4329
2500	3709	3866	4026	4190	4274	4274	4274
2000	3664	3818	3975	4136	4218	4218	4218
1500	3620	3772	3926	4085	4165	4165	4165
1000	3577	3726	3877	4033	4113	4113	4113
500	3535	3682	3831	3984	4062	4062	4062
0	3493	3638	3784	3935	4011	4011	4011

See Adjustments On Next Page

UNFACTORED LANDING DISTANCE - INFLIGHT USE ONLY

Dry Runway

EMB-145

Flaps 22

Adjustments

Condition	Correction
Headwind	- 14 ft/kt
Tailwind	+ 70 ft/kt
Wet Runway	x 1.15

Instructions:

1. Determine landing distance from table.
2. Correct for winds.
3. Correct for non-normals.

UNFACTORED LANDING DISTANCE - INFLIGHT USE ONLY

Dry Runway

EMB-145

Flaps 45

	Landing Weight (1000 lb)						
	Dry Runway Landing Distance (ft)						
P.A.	**27**	**29**	**31**	**33**	**35**	**37**	**39**
8500	2411	2540	2667	2794	2916	3041	3168
8000	2383	2510	2636	2761	2880	3003	3128
7500	2356	2482	2606	2729	2847	2967	3089
7000	2330	2453	2576	2698	2814	2930	3051
6500	2304	2426	2547	2667	2781	2895	3013
6000	2278	2398	2518	2636	2749	2860	2976
5500	2252	2372	2490	2606	2718	2826	2940
5000	2227	2345	2461	2577	2687	2793	2904
4500	2203	2319	2434	2548	2657	2761	2870
4000	2179	2293	2407	2519	2626	2729	2836
3500	2156	2269	2381	2492	2598	2699	2803
3000	2132	2244	2355	2464	2569	2669	2770
2500	2110	2220	2329	2437	2541	2639	2739
2000	2087	2196	2304	2411	2513	2610	2707
1500	2066	2174	2280	2386	2486	2582	2677
1000	2045	2151	2256	2360	2459	2554	2647
500	2024	2129	2233	2336	2434	2527	2619
0	2003	2107	2209	2311	2408	2500	2591

	Dry Runway Landing Distance (ft)						
P.A.	**41**	**43**	**45**	**47**	**49**	**51**	**53**
8500	3295	3424	3553	3683	3695	3695	3695
8000	3253	3379	3506	3634	3681	3681	3681
7500	3212	3336	3461	3587	3650	3650	3650
7000	3172	3294	3416	3540	3602	3602	3602
6500	3133	3252	3373	3494	3555	3555	3555
6000	3094	3211	3330	3449	3509	3509	3509
5500	3056	3172	3288	3406	3464	3464	3464
5000	3018	3132	3247	3362	3420	3420	3420
4500	2982	3094	3207	3320	3377	3377	3377
4000	2945	3056	3167	3278	3334	3334	3334
3500	2911	3019	3128	3238	3293	3293	3293
3000	2876	2983	3090	3198	3252	3252	3252
2500	2842	2948	3053	3159	3213	3213	3213
2000	2809	2912	3016	3121	3173	3173	3173
1500	2777	2879	2981	3084	3135	3135	3135
1000	2745	2845	2946	3047	3098	3098	3098
500	2715	2813	2912	3012	3061	3061	3061
0	2684	2781	2878	2976	3025	3025	3025

See Adjustments On Next Page

UNFACTORED LANDING DISTANCE - INFLIGHT USE ONLY

Dry Runway

EMB-145

Flaps 45

Adjustments

Condition	Correction
Headwind	- 12 ft/kt
Tailwind	+ 55 ft/kt
Wet Runway	x 1.15

Instructions:

1. Determine landing distance from table.
2. Correct for winds.
3. Correct for non-normals.

MAXIMUM LANDING WEIGHT - CLIMB LIMITS

EMB-145 AE3007A1

A/C OFF

Flaps 22

	Temperature (°C)								
	Weight (lb)								
P.A.	**-18**	**-14**	**-10**	**-6**	**-2**	**2**	**6**	**10**	**14**
8500	47220	47210	47210	47270	47290	47270	47250	47220	47180
8000	47810	47790	47750	47870	47880	47850	47830	47810	47770
7500	48400	48370	48340	48420	48460	48450	48420	48390	48360
7000	48990	48960	48930	48980	49030	49040	49010	48980	48940
6500	49570	49570	49610	49610	49580	49590	49600	49580	49540
6000	50190	50190	50170	50140	50220	50250	50230	50190	50160
5500	50750	50760	50730	50700	50730	50770	50810	50770	50740
5000	51320	51320	51300	51270	51240	51290	51380	51350	51320
4500	51320	51320	51300	51270	51240	51290	51380	51350	51320
4000	51320	51320	51300	51270	51240	51290	51380	51350	51320
3500	51400	51400	51400	51380	51340	51360	51410	51360	51400
3000	51480	51480	51500	51490	51450	51430	51430	51380	51470
2500	51500	51500	51530	51520	51490	51460	51430	51380	51470
2000	51520	51520	51570	51560	51530	51490	51430	51380	51470
1500	51520	51520	51570	51560	51530	51490	51430	51380	51470
1000	51520	51520	51570	51560	51530	51490	51430	51380	51470
500	51520	51520	51570	51560	51530	51490	51430	51380	51470
0	51520	51520	51570	51560	51530	51490	51430	51380	51470

	Weight (lb)								
P.A.	**14**	**18**	**22**	**26**	**30**	**34**	**38**	**42**	**46**
8500	47180	46750	45470	43670	41940				
8000	47770	47520	46440	44640	42940	41230			
7500	48360	48210	47430	45630	43910	42190			
7000	48940	48900	48410	46610	44880	43170			
6500	49540	49120	48480	47610	45860	44130			
6000	50160	50110	50070	48650	46820	45110	43310		
5500	50740	50700	50660	49690	47830	46100	44280		
5000	51320	51290	51260	50750	48830	47110	45260		
4500	51320	51290	51260	50950	49840	48030	46170		
4000	51320	51290	51260	51150	50810	49010	47090	45080	
3500	51400	51370	51330	51250	51060	49960	48040	45990	
3000	51470	51440	51400	51360	51310	50920	49000	46910	
2500	51470	51440	51400	51360	51310	51100	49970	47840	
2000	51470	51440	51400	51360	51310	51280	50950	48790	46500
1500	51470	51440	51400	51360	51310	51280	51100	49770	47400
1000	51470	51440	51400	51360	51310	51280	51260	50760	48350
500	51470	51440	51400	51360	51310	51280	51260	50970	49350
0	51470	51440	51400	51360	51310	51280	51260	51180	50400

See Adjustments On Next Page

MAXIMUM LANDING WEIGHT - CLIMB LIMITS

EMB-145 AE3007A1

A/C OFF

Flaps 22

Adjustments

Condition	Correction (lb)
Anti-Ice On	- 7,250
A/I Off - A/I Valve INOP Open	- 460
A/I On - A/I Valve INOP Open	- 7,260
Enroute icing	- 8,050
Landing Gear Extended	- 12,810

MAXIMUM LANDING WEIGHT - CLIMB LIMITS

EMB-145 AE3007A1

A/C OFF

Flaps 45

	Temperature (°C)								
	Weight (lb)								
P.A.	**-18**	**-14**	**-10**	**-6**	**-2**	**2**	**6**	**10**	**14**
8500	47220	47210	47210	47270	47290	47270	47250	47220	47180
8000	47810	47790	47750	47870	47880	47850	47830	47810	47770
7500	48400	48370	48340	48420	48460	48450	48420	48390	48360
7000	48990	48960	48930	48980	49030	49040	49010	48980	48940
6500	49570	49570	49610	49610	49580	49590	49600	49580	49540
6000	50190	50190	50170	50140	50220	50250	50230	50190	50160
5500	50750	50760	50730	50700	50730	50770	50810	50770	50740
5000	51320	51320	51300	51270	51240	51290	51380	51350	51320
4500	51320	51320	51300	51270	51240	51290	51380	51350	51320
4000	51320	51320	51300	51270	51240	51290	51380	51350	51320
3500	51400	51400	51400	51380	51340	51360	51410	51360	51400
3000	51480	51480	51500	51490	51450	51430	51430	51380	51470
2500	51500	51500	51530	51520	51490	51460	51430	51380	51470
2000	51520	51520	51570	51560	51530	51490	51430	51380	51470
1500	51520	51520	51570	51560	51530	51490	51430	51380	51470
1000	51520	51520	51570	51560	51530	51490	51430	51380	51470
500	51520	51520	51570	51560	51530	51490	51430	51380	51470
0	51520	51520	51570	51560	51530	51490	51430	51380	51470

	Weight (lb)								
P.A.	**14**	**18**	**22**	**26**	**30**	**34**	**38**	**42**	**46**
8500	47180	46750	45470	43670	41940				
8000	47770	47520	46440	44640	42940	41230			
7500	48360	48210	47430	45630	43910	42190			
7000	48940	48900	48410	46610	44880	43170			
6500	49540	49120	48480	47610	45860	44130			
6000	50160	50110	50070	48650	46820	45110	43310		
5500	50740	50700	50660	49690	47830	46100	44280		
5000	51320	51290	51260	50750	48830	47110	45260		
4500	51320	51290	51260	50950	49840	48030	46170		
4000	51320	51290	51260	51150	50810	49010	47090	45080	
3500	51400	51370	51330	51250	51060	49960	48040	45990	
3000	51470	51440	51400	51360	51310	50920	49000	46910	
2500	51470	51440	51400	51360	51310	51100	49970	47840	
2000	51470	51440	51400	51360	51310	51280	50950	48790	46500
1500	51470	51440	51400	51360	51310	51280	51100	49770	47400
1000	51470	51440	51400	51360	51310	51280	51260	50760	48350
500	51470	51440	51400	51360	51310	51280	51260	50970	49350
0	51470	51440	51400	51360	51310	51280	51260	51180	50400

See Adjustments On Next Page

MAXIMUM LANDING WEIGHT - CLIMB LIMITS

EMB-145 AE3007A1

A/C OFF

Flaps 45

Adjustments

Condition	Correction (lb)
Anti-Ice On	- 7,250
A/I Off - A/I Valve INOP Open	- 460
A/I On - A/I Valve INOP Open	- 7,260
Enroute icing	- 8,050
Landing Gear Extended	- 12,810

MAXIMUM QUICK TURNAROUND WEIGHT

EMB-145

Flaps 22

	Temperature (°C)								
	Weight (lb)								
P.A.	**-18**	**-14**	**-10**	**-6**	**-2**	**2**	**6**	**10**	**14**
8500	40040	39710	39380	39060	38740	38430	38130	37830	37540
8000	40450	40110	39780	39460	39140	38830	38530	38230	37930
7500	40860	40520	40190	39870	39550	39230	38930	38630	38330
7000	41280	40930	40590	40270	39950	39640	39330	39020	38730
6500	41700	41350	41000	40670	40350	40040	39730	39420	39120
6000	42120	41760	41420	41080	40760	40440	40130	39820	39520
5500	42550	42190	41840	41500	41170	40840	40530	40220	39920
5000	42980	42610	42260	41920	41580	41250	40930	40620	40320
4500	43410	43040	42690	42340	42000	41670	41340	41030	40720
4000	43850	43480	43110	42760	42420	42080	41760	41440	41120
3500	44290	43910	43550	43190	42840	42500	42170	41850	41530
3000	44730	44350	43980	43620	43270	42930	42590	42260	41940
2500	45180	44800	44420	44060	43700	43350	43010	42680	42360
2000	45630	45240	44860	44490	44130	43780	43440	43100	42770
1500	46070	45680	45300	44930	44570	44210	43860	43520	43190
1000	46510	46130	45750	45370	45010	44650	44290	43950	43610
500	46960	46570	46190	45810	45440	45080	44730	44380	44040
0	47410	47010	46630	46250	45880	45520	45160	44810	44470

	Weight (lb)								
P.A.	**14**	**18**	**22**	**26**	**30**	**34**	**38**	**42**	**46**
8500	37540	37260	36980	36710	36440				
8000	37930	37640	37360	37090	36820	36560			
7500	38330	38040	37750	37480	37200	36940			
7000	38730	38440	38150	37860	37590	37320			
6500	39120	38830	38540	38260	37980	37710			
6000	39520	39230	38940	38650	38370	38100	37820		
5500	39920	39620	39330	39050	38760	38490	38220		
5000	40320	40020	39730	39440	39160	38880	38610		
4500	40720	40420	40130	39840	39550	39270	39000		
4000	41120	40820	40520	40230	39950	39670	39390	39120	
3500	41530	41220	40920	40630	40340	40060	39780	39510	
3000	41940	41630	41320	41020	40730	40450	40170	39900	
2500	42360	42040	41730	41430	41130	40840	40560	40290	
2000	42770	42450	42140	41830	41540	41240	40960	40680	40400
1500	43190	42870	42550	42240	41940	41640	41350	41070	40790
1000	43610	43280	42960	42650	42340	42040	41750	41460	41180
500	44040	43710	43380	43070	42760	42450	42160	41870	41580
0	44470	44130	43800	43480	43170	42860	42560	42270	41980

See Adjustments On Next Page

MAXIMUM QUICK TURNAROUND WEIGHT

EMB-145

Flaps 22

Adjustments

Condition	Correction
Headwind	+ 110 lb/kt
Tailwind	- 3,850 lb/kt
Upslope (2% max)	+ 550 lb per 1%
Downslope (-2% max)	- 670 lb per 1%

Instructions:

1. Determine landing weight from table.
2. Correct for winds and slope.
3. Correct for non-normals.

Note: This data is provided for use when Brake Temperature Indicators are inoperative. Refer to MEL for applicability. After landings with weights exceeding those shown above, a subsequent takeoff must not be scheduled for at least 36 minutes, after which it must be ascertained that wheel thermal plugs have not melted.

MAXIMUM QUICK TURNAROUND WEIGHT

EMB-145

Flaps 45

	Temperature (°C)								
	Weight (lb)								
P.A.	**-18**	**-14**	**-10**	**-6**	**-2**	**2**	**6**	**10**	**14**
8500	42620	42270	41930	41590	41270	40950	40640	40340	40040
8000	43040	42690	42350	42010	41680	41360	41050	40750	40450
7500	43470	43120	42770	42430	42100	41780	41460	41150	40850
7000	43900	43550	43200	42850	42520	42190	41870	41560	41260
6500	44340	43980	43620	43280	42940	42610	42290	41970	41670
6000	44780	44410	44050	43710	43370	43030	42710	42390	42080
5500	45220	44850	44490	44140	43790	43460	43130	42810	42490
5000	45670	45290	44930	44570	44230	43890	43550	43230	42910
4500	46110	45740	45370	45010	44660	44320	43980	43650	43330
4000	46560	46180	45810	45450	45100	44750	44410	44080	43750
3500	47020	46630	46260	45890	45530	45180	44840	44510	44180
3000	47470	47080	46700	46330	45970	45620	45270	44930	44600
2500	47930	47540	47150	46780	46420	46060	45710	45370	45030
2000	48390	47990	47600	47230	46860	46500	46150	45800	45460
1500	48850	48450	48060	47680	47310	46940	46590	46240	45900
1000	49320	48910	48510	48130	47760	47390	47030	46680	46330
500	49790	49380	48980	48590	48210	47840	47470	47120	46770
0	50250	49840	49440	49050	48660	48290	47920	47560	47210

	Weight (lb)								
P.A.	**14**	**18**	**22**	**26**	**30**	**34**	**38**	**42**	**46**
8500	40040	39750	39470	39190	38920				
8000	40450	40150	39870	39580	39310	39040			
7500	40850	40550	40260	39980	39700	39430			
7000	41260	40960	40660	40380	40100	39820			
6500	41670	41360	41070	40780	40500	40220			
6000	42080	41770	41470	41180	40890	40610	40340		
5500	42490	42180	41880	41590	41300	41010	40740		
5000	42910	42600	42290	42000	41700	41420	41140		
4500	43330	43020	42710	42410	42110	41820	41540		
4000	43750	43440	43120	42820	42520	42230	41940	41660	
3500	44180	43860	43540	43240	42930	42640	42350	42070	
3000	44600	44280	43960	43650	43350	43050	42760	42470	
2500	45030	44710	44390	44070	43770	43460	43170	42880	
2000	45460	45140	44810	44490	44180	43880	43580	43290	43000
1500	45900	45560	45240	44920	44600	44300	44000	43700	43410
1000	46330	46000	45670	45340	45030	44720	44410	44110	43820
500	46770	46430	46100	45770	45450	45140	44830	44530	44240
0	47210	46870	46530	46200	45880	45560	45250	44950	44650

See Adjustments On Next Page

MAXIMUM QUICK TURNAROUND WEIGHT

EMB-145

Flaps 45

Adjustments

Condition	Correction
Headwind	+ 90 lb/kt
Tailwind	- 490 lb/kt
Upslope (2% max)	+ 530 lb per 1%
Downslope (-2% max)	- 610 lb per 1%

Instructions:

1. Determine landing weight from table.
2. Correct for winds and slope.
3. Correct for non-normals.

Note: This data is provided for use when Brake Temperature Indicators are inoperative. Refer to MEL for applicability. After landings with weights exceeding those shown above, a subsequent takeoff must not be scheduled for at least 36 minutes, after which it must be ascertained that wheel thermal plugs have not melted.

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